

GenCore version 5.1.4 p5.4578
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OM protein - protein search, using sw model

Run on: April 11, 2003, 15:09:16 ; Search time 35 Seconds
(without alignments)
45.686 Million cell updates/sec

Title: US-09-846-347-1

Perfect score: 64
Sequence: 1 DAHKEVHARFK 12

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Number of hits satisfying chosen parameters: 908470

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 75 summaries

Database :

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2: /SID2/gcgdata/geneseq/geneseq-emb1/AA1981.DAT.*
3: /SID2/gcgdata/geneseq/geneseq-emb1/AA1982.DAT.*
4: /SID2/gcgdata/geneseq/geneseq-emb1/AA1983.DAT.*
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11: /SID2/gcgdata/geneseq/geneseq-emb1/AA1990.DAT.*
12: /SID2/gcgdata/geneseq/geneseq-emb1/AA1991.DAT.*
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14: /SID2/gcgdata/geneseq/geneseq-emb1/AA1993.DAT.*
15: /SID2/gcgdata/geneseq/geneseq-emb1/AA1994.DAT.*
16: /SID2/gcgdata/geneseq/geneseq-emb1/AA1995.DAT.*
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19: /SID2/gcgdata/geneseq/geneseq-emb1/AA1998.DAT.*
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21: /SID2/gcgdata/geneseq/geneseq-emb1/AA2001.DAT.*
22: /SID2/gcgdata/geneseq/geneseq-emb1/AA2002.DAT.*
23: /SID2/gcgdata/geneseq/geneseq-emb1/AA2002.DAT.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	64	100.0	12	22	AA174367
2	64	100.0	12	21	AA174370
3	64	100.0	20	21	AA174370
4	64	100.0	113	22	AA011631
5	64	100.0	116	22	AA002642
6	64	100.0	119	22	AA011632
7	64	100.0	123	22	AA004424
8	64	100.0	124	22	AA002630
9	64	100.0	133	4	AA193004
10	64	100.0	133	22	AA029925

11	64	100.0	137	22	AA012088	Human polypeptide
12	64	100.0	192	22	AA029875	Novel human secret
13	64	100.0	195	23	AA017048	Human serum albumin
14	64	100.0	204	21	AA183947	Yeast codon-biased
15	64	100.0	214	22	AA029874	Novel human secret
16	64	100.0	236	23	AA017051	Human albumin-cho
17	64	100.0	241	23	AA016984	Alpha-MSH construct
18	64	100.0	242	23	AA016985	Alpha-MSH construct
19	64	100.0	244	23	AA016986	Alpha-MSH construct
20	64	100.0	245	23	AA016987	Alpha-MSH construct
21	64	100.0	245	23	AA016988	Alpha-MSH construct
22	64	100.0	268	22	AA016989	Alpha-MSH construct
23	64	100.0	289	22	AA029575	Novel human secret
24	64	100.0	289	22	AA029581	Novel human secret
25	64	100.0	303	12	AA14178	Human serum albumin
26	64	100.0	373	10	AA190387	N-terminal of human
27	64	100.0	388	10	AA190389	N-terminal human s
28	64	100.0	389	10	AA190390	N-terminal human s
29	64	100.0	390	10	AA190391	N-terminal human s
30	64	100.0	401	22	AA029876	Novel human secret
31	64	100.0	407	10	AA190392	N-terminal human s
32	64	100.0	550	22	AA029877	Novel human secret
33	64	100.0	585	10	AA193344	Sequence of mature
34	64	100.0	585	10	AA193388	Mature human serum
35	64	100.0	585	10	AA193388	Human normal serum
36	64	100.0	585	10	AA193388	Human serum albumin
37	64	100.0	585	11	AA1905318	Human serum albumin
38	64	100.0	585	13	AA190029	Human serum albumin
39	64	100.0	585	13	AA190029	Human serum albumin
40	64	100.0	585	13	AA190029	Human serum albumin
41	64	100.0	585	13	AA190029	Human serum albumin
42	64	100.0	585	16	AA190029	Human serum albumin
43	64	100.0	585	18	AA190029	Human serum albumin
44	64	100.0	585	21	AA190029	Human serum albumin
45	64	100.0	585	21	AA190029	Human serum albumin
46	64	100.0	585	21	AA190029	Human serum albumin
47	64	100.0	585	22	AA190029	Human serum albumin
48	64	100.0	585	22	AA190029	Human serum albumin
49	64	100.0	585	22	AA190029	Human serum albumin
50	64	100.0	585	22	AA190029	Human serum albumin
51	64	100.0	585	22	AA190029	Human serum albumin
52	64	100.0	585	22	AA190029	Human serum albumin
53	64	100.0	585	22	AA190029	Human serum albumin
54	64	100.0	585	22	AA190029	Human serum albumin
55	64	100.0	585	23	AA190029	Human serum albumin
56	64	100.0	585	23	AA190029	Human serum albumin
57	64	100.0	585	23	AA190029	Human serum albumin
58	64	100.0	585	23	AA190029	Human serum albumin
59	64	100.0	585	23	AA190029	Human serum albumin
60	64	100.0	585	23	AA190029	Human serum albumin
61	64	100.0	585	23	AA190029	Human serum albumin
62	64	100.0	585	23	AA190029	Human serum albumin
63	64	100.0	585	23	AA190029	Human serum albumin
64	64	100.0	585	23	AA190029	Human serum albumin
65	64	100.0	585	23	AA190029	Human serum albumin
66	64	100.0	585	23	AA190029	Human serum albumin
67	64	100.0	585	23	AA190029	Human serum albumin
68	64	100.0	585	23	AA190029	Human serum albumin
69	64	100.0	585	23	AA190029	Human serum albumin
70	64	100.0	585	23	AA190029	Human serum albumin
71	64	100.0	585	23	AA190029	Human serum albumin
72	64	100.0	585	23	AA190029	Human serum albumin
73	64	100.0	585	23	AA190029	Human serum albumin
74	64	100.0	585	23	AA190029	Human serum albumin
75	64	100.0	585	23	AA190029	Human serum albumin

ALIGNMENTS

RESULT 1
AA174367 standard; peptide; 12 AA.

XX AAB74367;
 AC
 XX
 DT 02-JUL-2001 (first entry)
 XX
 DE Reactive oxygen species inhibitory peptide #3.
 XX
 KM ROS; reactive oxygen species; metal binding; ischemia;
 KM neurodegenerative.
 XX
 OS Synthetic.
 XX
 PN WO200125265-A1.
 XX
 PD 12-APR-2001.
 XX
 PF 29-SEP-2000; 2000WO-US26952.
 XX
 PR 01-OCT-1999; 99US-0157404.
 PR 13-JUN-2000; 2000US-0211078.
 PA (BARO/) BAR-OR D.
 PA (CURT/) CURTIS C G.
 PA (LAUE/) LAU E.
 PA (RAON/) RAO N K R.
 PA (WINK/) WINKLER J V.
 PA (CROO/) CROOK W M.
 PI Bar-Or D, Curtis CG, Lau E, Rao NKR, Winkler JV, Crook WM;
 PI WPI; 2001-328322/34.
 DR
 XX
 PT Metal binding peptide compounds prevent damage by reactive oxygen
 PT species in animal organs and tissues, useful for reperfusion,
 PT transplantation and treating e.g. ischemia, neurological and
 PT cardiovascular diseases.
 XX
 PS Example 10; Page 43; 124pp; English.
 CC The present invention relates to metal binding peptides that prevent
 CC damage by reactive oxygen. The peptides may be used for reperfusion
 CC an ischemic tissue or organ with cerebral or cardiovascular ischemia,
 CC for treating neurological trauma and for neurodegenerative disease.
 CC The present sequence is a reactive oxygen species inhibitory peptide.
 XX
 SQ Sequence 12 AA;
 Query Match 100.0%; Score 64; DB 22; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.3e-05;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 OY 1 DAHKSEVAHRRK 12
 DB 1 DAHKSEVAHRRK 12
 RESULT 2
 ID AAB74370 standard; peptide; 12 AA.
 AC AAB74370;
 XX
 DT 02-JUL-2001 (first entry)
 XX
 DE Reactive oxygen species inhibitory peptide #6.
 XX
 KM ROS; reactive oxygen species; metal binding; ischemia;
 KM neurodegenerative.
 XX
 OS Synthetic.
 XX
 PN WO200125265-A1.
 XX
 PT

PD 12-APR-2001.
 XX
 PF 29-SEP-2000; 2000WO-US26952.
 XX
 PR 01-OCT-1999; 99US-0157404.
 PR 13-JUN-2000; 2000US-0211078.
 PA (BARO/) BAR-OR D.
 PA (CURT/) CURTIS C G.
 PA (LAUE/) LAU E.
 PA (RAON/) RAO N K R.
 PA (WINK/) WINKLER J V.
 PA (CROO/) CROOK W M.
 PI Bar-Or D, Curtis CG, Lau E, Rao NKR, Winkler JV, Crook WM;
 PI WPI; 2001-328322/34.
 DR
 XX
 PT Metal binding peptide compounds prevent damage by reactive oxygen
 PT species in animal organs and tissues, useful for reperfusion,
 PT transplantation and treating e.g. ischemia, neurological and
 PT cardiovascular diseases.
 XX
 PS Example 10; Page 43; 124pp; English.
 CC The present invention relates to metal binding peptides that prevent
 CC damage by reactive oxygen. The peptides may be used for reperfusion
 CC an ischemic tissue or organ with cerebral or cardiovascular ischemia,
 CC for treating neurological trauma and for neurodegenerative disease.
 CC The present sequence is a reactive oxygen species inhibitory peptide.
 XX
 SQ Sequence 12 AA;
 Query Match 100.0%; Score 64; DB 22; Length 12;
 Best Local Similarity 100.0%; Pred. No. 1.3e-05;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 OY 1 DAHKSEVAHRRK 12
 DB 1 DAHKSEVAHRRK 12
 RESULT 3
 ID AAB12462 standard; Peptide; 20 AA.
 AC AAB12462;
 XX
 DT 25-OCT-2000 (first entry)
 XX
 DE Human albumin epitope peptide #1.
 XX
 KM Monoclonal antibody; hybridoma cell; immunoglobulin; IgG; fusion;
 KM human albumin; diabetic nephropathy; diagnosis.
 XX
 OS Homo sapiens.
 XX
 PN JP2000139460-A.
 XX
 PD 23-MAY-2000.
 XX
 PF 02-NOV-1998; 98JP-0311677.
 XX
 PR 02-NOV-1998; 98JP-0311677.
 XX
 PA (TOY) TOYOTA CHUO KENKYUSHO KK.
 PA (AISE) AISIN SEIKI KK.
 XX
 DR WPI; 2000-433935/38.
 XX
 PT Hybridoma cells for preparation of IgG monoclonal antibody capable of
 PT rapid reaction with human albumin for diagnosis of diabetic nephropathy
 PT

XX Example; Fig 1, 11pp; Japanese.
PS
CC The present invention describes hybridoma cells used for preparing an
CC immunoglobulin G (IgG) monoclonal antibody capable of rapid reaction
CC with human albumin. The hybridoma cells are prepared by fusion of mammal
CC myeloma cells and spleen cells immunized with human serum albumin, and
CC producing IgG monoclonal antibodies which rapidly react with human
CC albumin. The monoclonal antibodies can be used in the diagnosis of
CC diabetic nephropathy. The present sequence represents a human albumin
CC epitope peptide sequence which is used in an example from the present
CC invention.
XX
SQ Sequence 20 AA;
Query Match 100.0%; Score 64; DB 21; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.3e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 DAHKEVAHREFK 12
2 DAHKEVAHREFK 13
DB

RESULT 4
AA011631
ID AA011631 standard; Protein; 113 AA.
AC AA011631;
XX
DT 06-NOV-2001 (first entry)
XX
DE Human polypeptide SEQ ID NO 25523.
XX
KW Human; cytokine; cell proliferation; cell differentiation; gene therapy;
KW vaccine; peptide therapy; stem cell growth factor; haematopoiesis;
KW tissue growth factor; immunomodulatory; cancer; leukaemia;
KW nervous system disorders; arthritis; inflammation.
XX
OS Homo sapiens.
XX
PN WO200164835-A2.
XX
PD 07-SEP-2001.
XX
PF 26-FEB-2001; 2001WO-US04927.
XX
PR 28-FEB-2000; 2000US-0515126.
XX 18-MAY-2000; 2000US-0577409.
XX (HYSE-) HYSEQ INC.
XX
PI Tang YT, Liu C, Drmanac RT;
XX
DR N-PSDB; AA191562.
XX
PT WPI: 2001-514838/56.
XX
PT Isolated nucleic acids and polypeptides, useful for preventing
PT diagnosing and treating e.g. leukaemia, inflammation and immune
PT disorders -
XX
PS Claim 20; SEQ ID NO 25523; 1399pp + Sequence Listing; English.
XX
CC The invention relates to human polynucleotides (AA179941-AA193841) and
CC the encoded proteins (AA000010-AA013910) that exhibit activity elating to
CC cytokine, cell proliferation or cell differentiation or which may induce
CC production of other cytokines in other cell populations. The
CC polynucleotides and polypeptides are useful in gene therapy, vaccines or
CC peptide therapy. The polypeptides have various cytokine-like activities,
CC e.g. stem cell growth factor activity, haematopoiesis regulating
CC activity, tissue growth factor activity, immunomodulatory activity and
CC activin/inhibin activity and may be useful in the diagnosis and/or
CC treatment of cancer, leukaemia, nervous system disorders, arthritis and
CC inflammation.

CC inflammation.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX

SQ Sequence 113 AA;
Query Match 100.0%; Score 64; DB 22; Length 113;
Best Local Similarity 100.0%; Pred. No. 0.00017;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 DAHKEVAHREFK 12
29 DAHKEVAHREFK 40
DB

RESULT 5
AA002642
ID AA002642 standard; Protein; 116 AA.
AC AA002642;
XX
DT 06-NOV-2001 (first entry)
XX
DE Human polypeptide SEQ ID NO 16534.
XX
KW Human; cytokine; cell proliferation; cell differentiation; gene therapy;
KW vaccine; peptide therapy; stem cell growth factor; haematopoiesis;
KW tissue growth factor; immunomodulatory; cancer; leukaemia;
KW nervous system disorders; arthritis; inflammation.
XX
OS Homo sapiens.
XX
PN WO200164835-A2.
XX
PD 07-SEP-2001.
XX
PF 26-FEB-2001; 2001WO-US04927.
XX
PR 28-FEB-2000; 2000US-0515126.
XX 18-MAY-2000; 2000US-0577409.
XX (HYSE-) HYSEQ INC.
XX
PI Tang YT, Liu C, Drmanac RT;
XX
DR N-PSDB; AA182573.
XX
PT WPI: 2001-514838/56.
XX
PT Isolated nucleic acids and polypeptides, useful for preventing
PT diagnosing and treating e.g. leukaemia, inflammation and immune
PT disorders -
XX
PS Claim 20; SEQ ID NO 16534; 1399pp + Sequence Listing; English.
XX
CC The invention relates to human polynucleotides (AA179941-AA193841) and
CC the encoded proteins (AA000010-AA013910) that exhibit activity elating to
CC cytokine, cell proliferation or cell differentiation or which may induce
CC production of other cytokines in other cell populations. The
CC polynucleotides and polypeptides are useful in gene therapy, vaccines or
CC peptide therapy. The polypeptides have various cytokine-like activities,
CC e.g. stem cell growth factor activity, haematopoiesis regulating
CC activity, tissue growth factor activity, immunomodulatory activity and
CC activin/inhibin activity and may be useful in the diagnosis and/or
CC treatment of cancer, leukaemia, nervous system disorders, arthritis and
CC inflammation.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 116 AA;
Query Match 100.0%; Score 64; DB 22; Length 116;

Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVVAHREFK 12
|||||
DB 22 DAHKEVVAHREFK 33

RESULT 6

AAO11632
ID AAO11632 standard; Protein; 119 AA.

AC AAO11632;

DT 06-NOV-2001 (first entry)

DE Human polypeptide SEQ ID NO 25524.

XX Human; cytokine; cell proliferation; cell differentiation; gene therapy;
KW vaccine; peptide therapy; stem cell growth factor; haematopoiesis;
KW tissue growth factor; immunomodulatory; cancer; leukaemia;
KW nervous system disorders; arthritis; inflammation.

OS Homo sapiens.

PN WO200164835-A2.

PD 07-SEP-2001.

PF 26-FEB-2001; 2001WO-US04927.

PR 28-FEB-2000; 2000US-0515126.

PR 18-MAY-2000; 2000US-0577409.

XX (HYSE-) HYSEQ INC.

PI Tang YT, Liu C, Drmanac RT;

DR WPI; 2001-514838/56.

DR N-PSDB; AA191563.

PT Isolated nucleic acids and polypeptides, useful for preventing

PT diagnosing and treating e.g. leukaemia, inflammation and immune

PS disorders -

XX Claim 20; SEQ ID NO 25524; 1399pp + Sequence Listing; English.

CC The invention relates to human polynucleotides (AA179941-AA193841) and
CC the encoded proteins (AAO00010-AAO13910) that exhibit activity relating to
CC cytokine, cell proliferation or cell differentiation or which may induce
CC production of other cytokines in other cell populations. The
CC polynucleotides and polypeptides are useful in gene therapy, vaccines or
CC peptide therapy. The polypeptides have various cytokine-like activities,
CC e.g. stem cell growth factor activity, haematopoiesis regulating
CC activity, tissue growth factor activity, immunomodulatory activity and
CC activin/inhibin activity and may be useful in the diagnosis and/or
CC treatment of cancer, leukaemia, nervous system disorders, arthritis and
CC inflammation.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.

XX Sequence 119 AA;

Query Match 100.0%; Score 64; DB 22; Length 119;

Best Local Similarity 100.0%; Pred. No. 0.00018;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVVAHREFK 12
|||||
DB 30 DAHKEVVAHREFK 41

RESULT 7
ID AAO04424
AAO04424 standard; Protein; 123 AA.

AC AAO04424;

DT 06-NOV-2001 (first entry)

DE Human polypeptide SEQ ID NO 18316.

XX Human; cytokine; cell proliferation; cell differentiation; gene therapy;
KW vaccine; peptide therapy; stem cell growth factor; haematopoiesis;
KW tissue growth factor; immunomodulatory; cancer; leukaemia;
KW nervous system disorders; arthritis; inflammation.

OS Homo sapiens.

PN WO200164835-A2.

PD 07-SEP-2001.

PF 26-FEB-2001; 2001WO-US04927.

PR 28-FEB-2000; 2000US-0515126.

PR 18-MAY-2000; 2000US-0577409.

XX (HYSE-) HYSEQ INC.

PI Tang YT, Liu C, Drmanac RT;

DR WPI; 2001-514838/56.

DR N-PSDB; AA184355.

PT Isolated nucleic acids and polypeptides, useful for preventing

PT diagnosing and treating e.g. leukaemia, inflammation and immune

PS disorders -

XX Claim 20; SEQ ID NO 18316; 1399pp + Sequence Listing; English.

CC The invention relates to human polynucleotides (AA179941-AA193841) and
CC the encoded proteins (AAO00010-AAO13910) that exhibit activity relating to
CC cytokine, cell proliferation or cell differentiation or which may induce
CC production of other cytokines in other cell populations. The
CC polynucleotides and polypeptides are useful in gene therapy, vaccines or
CC peptide therapy. The polypeptides have various cytokine-like activities,
CC e.g. stem cell growth factor activity, haematopoiesis regulating
CC activity, tissue growth factor activity, immunomodulatory activity and
CC activin/inhibin activity and may be useful in the diagnosis and/or
CC treatment of cancer, leukaemia, nervous system disorders, arthritis and
CC inflammation.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.

XX Sequence 123 AA;

Query Match 100.0%; Score 64; DB 22; Length 123;

Best Local Similarity 100.0%; Pred. No. 0.00019;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVVAHREFK 12
|||||
DB 23 DAHKEVVAHREFK 34

RESULT 8

AAO02630
ID AAO02630 standard; Protein; 124 AA.

AC AAO02630;

DT 06-NOV-2001 (first entry)

XX 18-APR-2000; 2000US-0552929.
 PR 26-JAN-2001; 2001US-0770160.
 XX
 PA (HYSE-) HYSEQ INC.
 XX
 PI Tang YT, Liu C, Drmanac RT;
 XX
 DR WPI; 2001-611725/70.
 XX
 PT Nucleic acids encoding a range of human polypeptides, useful in genetic
 PT vaccination, testing and therapy -
 XX
 PS Claim 20; Page 210; 765pp; English.
 XX
 CC The invention relates to novel human secreted polypeptides. The
 CC polypeptides and antibodies to the polypeptides are useful for
 CC determining the presence of or predisposition to a disease associated
 CC with altered levels of polypeptide. The polypeptides are also useful for
 CC identifying agents (agonists and antagonists) that bind to them. Cells
 CC expressing the proteins are useful for identifying a therapeutic agent
 CC for use in treatment of a pathology related to aberrant expression or
 CC physiological interactions of the polypeptide. Vectors comprising
 CC the nucleic acids encoding the polypeptides and cells genetically
 CC engineered to express them are also useful for producing the proteins.
 CC The proteins are useful in genetic vaccination, testing and
 CC therapy, and can be used as nutritional supplements. They may be used to
 CC increase stem cell proliferation; to regulate haematopoiesis; and in
 CC bone, cartilage, tendon, and/or nerve tissue growth or regeneration;
 CC immune suppression and/or stimulation; as anti-inflammatory agents; and
 CC in treatment of leukaemias. AAU29510-AAU3304 represent the amino acid
 CC sequences of novel human secreted proteins of the invention.
 CC
 CC Sequence 133 AA;
 CC
 CC Query Match 100.0%; Score 64; DB 22; Length 133;
 CC Best Local Similarity 100.0%; Pred. No. 0.00021;
 CC Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 CC
 CC QY 1 DAKSEVAHREF 12
 CC |||||
 CC DB 27 DAKSEVAHREF 38

RESULT 11
 AA012088
 ID AA012088 standard; Protein; 137 AA.
 XX
 XX AA012088;
 XX
 XX 06-NOV-2001 (first entry)
 XX
 DE Human polypeptide SEQ ID NO 25980.
 XX
 KW Human; cytokine; cell proliferation; cell differentiation; gene therapy;
 KW vaccine; peptide therapy; stem cell growth factor; haematopoiesis;
 KW tissue growth factor; immunomodulatory; cancer; leukaemia;
 KW nervous system disorders; arthritis; inflammation.
 XX
 OS Homo sapiens.
 XX
 PN WO200164835-A2.
 XX
 PD 07-SEP-2001.
 XX
 PF 26-FEB-2001; 2001WO-US04927.
 XX
 PR 28-FEB-2000; 2000US-0515126.
 PR 18-MAY-2000; 2000US-0577409.
 XX
 PA (HYSE-) HYSEQ INC.
 XX
 PI Tang YT, Liu C, Drmanac RT;

XX WPI; 2001-514838/56.
 DR N-PSDB; AA192019.
 XX
 PT Isolated nucleic acids and polypeptides, useful for preventing
 PT diagnosing and treating e.g. leukaemia, inflammation and immune
 PT disorders -
 XX
 PS Claim 20; SEQ ID NO 25980; 139pp + Sequence Listing; English.
 XX
 CC The invention relates to human polynucleotides (AA179941-AA193841) and
 CC the encoded proteins (AA00010-AA013910) that exhibit activity relating to
 CC cytokine, cell proliferation or cell differentiation or which may induce
 CC production of other cytokines in other cell populations. The
 CC polynucleotides and polypeptides are useful in gene therapy, vaccines or
 CC peptide therapy. The polypeptides have various cytokine-like activities,
 CC e.g. stem cell growth factor activity, haematopoiesis regulating
 CC activity, tissue growth factor activity, immunomodulatory activity and
 CC activity/inhibin activity and may be useful in the diagnosis and/or
 CC treatment of cancer, leukaemia, nervous system disorders, arthritis and
 CC inflammation.
 CC Note: The sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published_pct_sequences.
 CC
 CC Sequence 137 AA;
 CC
 CC Query Match 100.0%; Score 64; DB 22; Length 137;
 CC Best Local Similarity 100.0%; Pred. No. 0.00021;
 CC Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 CC
 CC QY 1 DAKSEVAHREF 12
 CC |||||
 CC DB 30 DAKSEVAHREF 41

RESULT 12
 AAU29875
 ID AAU29875 standard; Protein; 192 AA.
 XX
 XX AAU29875;
 XX
 AC 18-DEC-2001 (first entry)
 XX
 DT Novel human secreted protein #366.
 XX
 DE Human; vaccination; gene therapy; nutritional supplement;
 KW stem cell proliferation; haematopoiesis; nerve tissue regeneration;
 KW immune suppression; immune stimulation; anti-inflammatory; leukaemia.
 XX
 OS Homo sapiens.
 XX
 PN WO200179449-A2.
 XX
 PD 25-OCT-2001.
 XX
 PF 16-APR-2001; 2001WO-US08656.
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 PR 18-APR-2000; 2000US-0552929.
 PR 26-JAN-2001; 2001US-0770160.
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 PA (HYSE-) HYSEQ INC.
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 PI Tang YT, Liu C, Drmanac RT;
 XX
 DR WPI; 2001-611725/70.
 XX
 PT Nucleic acids encoding a range of human polypeptides, useful in genetic
 PT vaccination, testing and therapy -
 XX
 PS Claim 20; Page 206; 765pp; English.
 CC
 CC The invention relates to novel human secreted polypeptides. The

CC polypeptides and antibodies to the polypeptides are useful for
 CC determining the presence of or predisposition to a disease associated
 CC with altered levels of polypeptide. The polypeptides are also useful for
 CC identifying agents (agonists and antagonists) that bind to them. Cells
 CC expressing the proteins are useful for identifying a therapeutic agent
 CC for use in treatment of a pathology related to aberrant expression or
 CC physiological interactions of the polypeptide. Vectors comprising
 CC the nucleic acid encoding the polypeptides and cells genetically
 CC engineered to express them are also useful for producing the proteins.
 CC The proteins are useful in genetic vaccination, testing and
 CC therapy, and can be used as nutritional supplements. They may be used to
 CC increase stem cell proliferation, to regulate hematopoiesis, and in
 CC bone, cartilage, tendon and/or nerve tissue growth or regeneration;
 CC immune suppression and/or stimulation; as anti-inflammatory agents; and
 CC in treatment of leukaemias. AAU29510-AAU3304 represent the amino acid
 CC sequences of novel human secreted proteins of the invention.

SO Sequence 192 AA;

Query Match 100.0%; Score 64; DB 22; Length 192;
 Best Local Similarity 100.0%; Pred. No. 0.00032;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREF 12
 DB 53 DAKSEVAHREF 64

AA017048

AA017048 standard; Protein; 195 AA.

29-MAY-2002 (first entry)

Human serum albumin (1-195) SEQ ID NO: 56.

Alpha-MSH; inflammation; autoimmune disease; gene therapy; sepsis;
 alpha-melanocyte stimulating hormone; rheumatoid arthritis; asthma;
 cirrhosis; dermatitis; psoriasis; inflammatory bowel disease;
 immunosuppressive; anti-inflammatory; antirheumatic; antiarthritic;
 antidiabetic; antibacterial; dermatological; antipruritic;
 antidiabetic; ophthalmological; neuroprotective; multiple sclerosis;
 diabetes; uveitis; coeliac disease.

Homo sapiens.

WO200206316-A2.

24-JAN-2002.

16-JUL-2001; 2001WO-US22263.

14-JUL-2000; 2000US-218381P.

18-AUG-2000; 2000US-226382P.

06-OCT-2000; 2000US-238380P.

29-DEC-2000; 2000US-258764P.

14-JUN-2001; 2001US-298317P.

(ZYCO-) ZYCO INC.

Hedley ML, Urban R, Aziz N, Chen H, Etamad-Moghadam B, Yin P,

WPI; 2002-195801/25.

Novel nucleic acid encoding fusion protein comprising alpha-melanocyte
 stimulating hormone concatamer or its analog, for treating inflammatory
 or autoimmune disorders -

Example 2; Page 46; 89pp; English.
 The present invention relates to a nucleic acid comprising a sequence

CC encoding a fusion polypeptide having an alpha-melanocyte stimulating
 CC hormone (MSH) concatamer. The sequences are useful for treating an
 CC individual suffering from, or at risk of, a disorder of the immune system
 CC e.g. inflammatory disorder or autoimmune disorder, including rheumatoid
 CC arthritis, asthma, sepsis, cirrhosis, dermatitis, psoriasis, contact
 CC hypersensitivity, inflammatory bowel disease, autoimmune encephalitis,
 CC multiple sclerosis, diabetes, lupus, uveitis and coeliac disease. The
 CC present sequence is a protein described in the exemplification of the
 CC invention.

SO Sequence 195 AA;

Query Match 100.0%; Score 64; DB 23; Length 195;
 Best Local Similarity 100.0%; Pred. No. 0.00032;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREF 12
 DB 1 DAKSEVAHREF 12

AA017048

AA017048 standard; Protein; 204 AA.

28-JUN-2000 (first entry)

Recombinant; human serum albumin; HSA; Yeast codon bias; host cell;
 overlapping oligonucleotide; expression vector.

Homo sapiens.

Synthetic.

CN1239103-A.

22-DEC-1999.

17-JUN-1998; 98CN-0102506.

17-JUN-1998; 98CN-0102506.

(HAIJ-) HAIJI BIOENGINEERING CO LTD.

Li S, Lu D,

WPI; 2000-351198/31.

N-PSDB; AAA10092.

Process for preparing recombinant human serum albumin - which comprises

yeast biased sex codons

Example 1; Fig 3; 44pp; Chinese.

The method relates to a method of recombinantly producing human serum
 albumin (HSA) in yeast by altering the coding sequence of HSA to
 comprise a yeast codon bias. The complete HSA gene (AAA10091) was
 generated as three synthetic fragments (AAA10092-110094) joined by
 overlapping oligonucleotide fragments that were extended. This sequence
 represents the sequence of the HSA fragment HSA-1 encoded by the human
 gene with a yeast codon bias. The invention also covers a recombinant
 expression vector, yeast host cells carrying the recombinant expression
 vector and the process for producing human serum albumin in the yeast
 host cell, especially in secretory mode.

Sequence 204 AA;

Query Match 100.0%; Score 64; DB 21; Length 204;
 Best Local Similarity 100.0%; Pred. No. 0.00034;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 DAKSEVAHRRK 12
 DB 8 DAKSEVAHRRK 19

RESULT 15

AAU29874
 ID AAU29874 standard; Protein; 214 AA.

AC AAU29874;

DT 18-DEC-2001 (first entry)

DE Novel human secreted protein #365.

XX Human; vaccination; gene therapy; nutritional supplement;

KW stem cell proliferation; haematopoiesis; nerve tissue regeneration;

XX immune suppression; immune stimulation; anti-inflammatory; leukaemia.

XX Homo sapiens

XX WO200179449-A2.

XX 16-APR-2001; 2001WO-US08656.

XX 18-APR-2000; 2000US-0552929.

XX 26-JAN-2001; 2001US-0770160.

XX (HYSE-) HYSEQ INC.

XX Tang YT, Liu C, Drmanac RT;

XX WPI; 2001-611725/70.

XX Nucleic acids encoding a range of human polypeptides, useful in genetic

XX vaccination, testing and therapy -

XX Claim 20; Page 205; 765pp; English.

XX The invention relates to novel human secreted polypeptides. The

XX polypeptides and antibodies to the polypeptides are useful for

XX determining the presence of or predisposition to a disease associated

XX with altered levels of polypeptide. The polypeptides are also useful for

XX identifying agents (agonists and antagonists) that bind to them. Cells

XX expressing the proteins are useful for identifying a therapeutic agent

XX for use in treatment of a pathology related to aberrant expression or

XX physiological interactions of the polypeptide. Vectors comprising

XX the nucleic acids encoding the polypeptides and cells genetically

XX engineered to express them are also useful for producing the proteins.

XX The proteins are useful in genetic vaccination, testing and

XX therapy, and can be used as nutritional supplements. They may be used to

XX increase stem cell proliferation; to regulate haematopoiesis; and in

XX bone, cartilage, tendon and/or nerve tissue growth or regeneration;

XX CC immune suppression and/or stimulation; as anti-inflammatory agents; and

XX CC in treatment of leukaemias. AAU29510-AAU3304 represent the amino acid

XX CC sequences of novel human secreted proteins of the invention.

SQ Sequence 214 AA;

Query Match 100.0%; Score 64; DB 22; Length 214;

Best Local Similarity 100.0%; Pred. No. 0.00036;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHRRK 12

DB 37 DAKSEVAHRRK 48

RESULT 16

AAO17051
 ID AAO17051 standard; Protein; 236 AA.

AC AAO17051;

DT 29-MAY-2002 (first entry)

DE Human albumin-chrombin-alpha-MSH SEQ ID NO: 82.

XX Alpha-MSH; inflammation; autoimmune disease; gene therapy; sepsis;

KW alpha-melanocyte stimulating hormone; rheumatoid arthritis; asthma;

KW cirrhosis; dermatitis; psoriasis; inflammatory bowel disease;

KW immunosuppressive; anti-inflammatory; antineumatic; antiarthritic;

KW antidiabetic; ophthalmological; dermatological; antipsoriatic;

KW antidiabetic; ophthalmological; neuroprotective; multiple sclerosis;

KW diabetes; uveitis; coeliac disease.

XX Homo sapiens.

XX WO200206316-A2.

XX 24-JAN-2002.

XX 16-JUL-2001; 2001WO-US22263.

XX 14-JUL-2000; 2000US-218381P.

XX 18-AUG-2000; 2000US-226382P.

XX 06-OCT-2000; 2000US-238380P.

XX 29-DEC-2000; 2000US-258764P.

XX 14-JUN-2001; 2001US-298317P.

XX (ZYCO-) ZYCOS INC.

XX Hedley ML, Urban R, Aziz N, Chen H, Etemad-Moghadam B, Yin P;

XX WPI; 2002-195801/25.

XX Novel nucleic acid encoding fusion protein comprising alpha-melanocyte

XX stimulating hormone concatamer or its analog, for treating inflammatory

XX or autoimmune disorders -

XX Example 2; Page 48; 89pp; English.

XX The present invention relates to a nucleic acid comprising a sequence

XX encoding a fusion polypeptide having an alpha-melanocyte stimulating

XX hormone (MSH) concatamer. The sequences are useful for treating an

XX individual suffering from, or at risk of, a disorder of the immune system

XX e.g. inflammatory disorder or autoimmune disorder, including rheumatoid

XX arthritis, asthma, sepsis, cirrhosis, dermatitis, psoriasis, contact

XX hypersensitivity, inflammatory bowel disease, autoimmune encephalitis,

XX multiple sclerosis, diabetes, lupus, uveitis and coeliac disease. The

XX present sequence is a peptide described in the exemplification of the

XX invention.

SQ Sequence 236 AA;

Query Match 100.0%; Score 64; DB 23; Length 236;

Best Local Similarity 100.0%; Pred. No. 0.0004;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHRRK 12

DB 25 DAKSEVAHRRK 36

RESULT 17

AAO16984
 ID AAO16984 standard; Protein; 241 AA.

AC AAO16984;

DT 29-MAY-2002 (first entry)

DE Alpha-MSH construct protein fragment SEQ ID NO: 59.
 XX Alpha-MSH; inflammation; autoimmune disease; gene therapy; sepsis;
 KW alpha-melanocyte stimulating hormone; rheumatoid arthritis; asthma;
 XX cirrhosis; dermatitis; psoriasis; inflammatory bowel disease;
 KW immunosuppressive; antineoplastic; antineoplastic; antineoplastic;
 KW antidiabetic; antibacterial; dermatological; antiparasitic;
 KW antidiabetic; ophthalmological; neuroprotective; multiple sclerosis;
 KW diabetes; uveitis; coeliac disease.
 XX
 OS Unidentified.
 XX
 PN WO200206316-A2.
 XX
 XX 24-JAN-2002.
 XX
 XX 16-JUL-2001; 2001WO-US22263.
 XX
 XX 14-JUL-2000; 2000US-218381P.
 XX 18-AUG-2000; 2000US-226382P.
 XX 06-OCT-2000; 2000US-238380P.
 XX 29-DEC-2000; 2000US-258764P.
 XX 14-JUN-2001; 2001US-298317P.
 XX
 PA (ZYCO-) ZYCOS INC.
 XX
 PI Hedley ML, Urban R, Aziz N, Chen H, Etemad-Moghadam B, Yin P;
 XX WPI; 2002-195801/25.
 XX
 XX Novel nucleic acid encoding fusion protein comprising alpha-melanocyte
 PT stimulating hormone concatamer or its analog, for treating inflammatory
 PT or autoimmune disorders -
 XX
 XX Example 2; Page 4-5; 89pp; English.
 XX
 CC The present invention relates to a nucleic acid comprising a sequence
 CC encoding a fusion polypeptide having an alpha-melanocyte stimulating
 CC hormone (MSH) concatamer. The sequences are useful for treating an
 CC individual suffering from, or at risk of, a disorder of the immune system
 CC e.g. inflammatory disorder or autoimmune disorder, including rheumatoid
 CC arthritis, asthma, sepsis, cirrhosis, dermatitis, psoriasis, contact
 CC hypersensitivity, inflammatory bowel disease, autoimmune encephalitis,
 CC multiple sclerosis, diabetes, lupus, uveitis and coeliac disease. The
 CC present sequence is a protein described in the exemplification of the
 CC invention.
 CC
 XX Sequence 241 AA;
 XX
 QY 1 DAKSEVVAHFK 12
 DB 25 DAKSEVVAHFK 36
 XX
 XX Query Match 100.0%; Score 64; DB 23; Length 241;
 XX Best Local Similarity 100.0%; Pred. No. 0.00041;
 XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

KW antidiabetic; ophthalmological; neuroprotective; multiple sclerosis;
 KW diabetes; uveitis; coeliac disease.
 XX
 OS Unidentified.
 XX
 PN WO200206316-A2.
 XX
 XX 24-JAN-2002.
 XX
 XX 16-JUL-2001; 2001WO-US22263.
 XX
 XX 14-JUL-2000; 2000US-218381P.
 XX 18-AUG-2000; 2000US-226382P.
 XX 06-OCT-2000; 2000US-238380P.
 XX 29-DEC-2000; 2000US-258764P.
 XX 14-JUN-2001; 2001US-298317P.
 XX
 PA (ZYCO-) ZYCOS INC.
 XX
 PI Hedley ML, Urban R, Aziz N, Chen H, Etemad-Moghadam B, Yin P;
 XX WPI; 2002-195801/25.
 XX
 XX Novel nucleic acid encoding fusion protein comprising alpha-melanocyte
 PT stimulating hormone concatamer or its analog, for treating inflammatory
 PT or autoimmune disorders -
 XX
 XX Disclosure; Page 5; 89pp; English.
 XX
 CC The present invention relates to a nucleic acid comprising a sequence
 CC encoding a fusion polypeptide having an alpha-melanocyte stimulating
 CC hormone (MSH) concatamer. The sequences are useful for treating an
 CC individual suffering from, or at risk of, a disorder of the immune system
 CC e.g. inflammatory disorder or autoimmune disorder, including rheumatoid
 CC arthritis, asthma, sepsis, cirrhosis, dermatitis, psoriasis, contact
 CC hypersensitivity, inflammatory bowel disease, autoimmune encephalitis,
 CC multiple sclerosis, diabetes, lupus, uveitis and coeliac disease. The
 CC present sequence is a protein described in the exemplification of the
 CC invention.
 CC
 XX Sequence 242 AA;
 XX
 QY 1 DAKSEVVAHFK 12
 DB 25 DAKSEVVAHFK 36
 XX
 XX Query Match 100.0%; Score 64; DB 23; Length 242;
 XX Best Local Similarity 100.0%; Pred. No. 0.00041;
 XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 18
 AAO16985
 ID AAO16985 standard; Protein; 242 AA.
 XX
 AC AAO16985;
 XX
 DT 29-MAY-2002 (first entry)
 XX
 DE Alpha-MSH construct protein fragment SEQ ID NO: 70.
 XX
 KW Alpha-MSH; inflammation; autoimmune disease; gene therapy; sepsis;
 KW alpha-melanocyte stimulating hormone; rheumatoid arthritis; asthma;
 KW cirrhosis; dermatitis; psoriasis; inflammatory bowel disease;
 KW immunosuppressive; antineoplastic; antineoplastic; antineoplastic;
 KW antidiabetic; antibacterial; dermatological; antiparasitic;
 KW antidiabetic; ophthalmological; neuroprotective; multiple sclerosis;
 KW diabetes; uveitis; coeliac disease.
 XX
 OS Unidentified.
 XX
 PN WO200206316-A2.

RESULT 19
 AAO16986
 ID AAO16986 standard; Protein; 244 AA.
 XX
 AC AAO16986;
 XX
 DT 29-MAY-2002 (first entry)
 XX
 DE Alpha-MSH construct protein fragment SEQ ID NO: 71.
 XX
 KW Alpha-MSH; inflammation; autoimmune disease; gene therapy; sepsis;
 KW alpha-melanocyte stimulating hormone; rheumatoid arthritis; asthma;
 KW cirrhosis; dermatitis; psoriasis; inflammatory bowel disease;
 KW immunosuppressive; antineoplastic; antineoplastic; antineoplastic;
 KW antidiabetic; antibacterial; dermatological; antiparasitic;
 KW antidiabetic; ophthalmological; neuroprotective; multiple sclerosis;
 KW diabetes; uveitis; coeliac disease.
 XX
 OS Unidentified.
 XX
 PN WO200206316-A2.

DR WPI, 2002-195801/25.
XX
XX Novel nucleic acid encoding fusion protein comprising alpha-melanocyte
PT stimulating hormone concatamer or its analog, for treating inflammatory
PT or autoimmune disorders -
XX
XX Disclosure, Page 5, 89pp, English.
XX
XX The present invention relates to a nucleic acid comprising a sequence
CC encoding a fusion polypeptide having an alpha-melanocyte stimulating
CC hormone (MSH) concatamer. The sequences are useful for treating an
CC individual suffering from, or at risk of, a disorder of the immune system
CC e.g. inflammatory disorder or autoimmune disorder, including rheumatoid
CC arthritis, asthma, sepsis, cirrhosis, dermatitis, psoriasis, contact
CC hypersensitivity, inflammatory bowel disease, autoimmune encephalitis,
CC multiple sclerosis, diabetes, lupus, uveitis and coeliac disease. The
CC present sequence is a protein described in the exemplification of the
CC invention.
XX
XX Sequence 245 AA;
Query Match 100.0%; Score 64; DB 23; Length 245;
Best Local Similarity 100.0%; Pred. No. 0.00042;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 DAHKEVAHRRK 12
DB 25 DAHKEVAHRRK 36
RESULT 22
AAOI6989
ID AAO16989 standard; Protein; 268 AA.
AC AAO16989;
XX
XX 29-MAY-2002 (first entry)
DT
XX
XX Alpha-MSH construct protein fragment SEQ ID NO: 60.
DE
XX
XX Alpha-MSH; inflammation; autoimmune disease; gene therapy; sepsis;
KM alpha-melanocyte stimulating hormone; rheumatoid arthritis; asthma;
KM cirrhosis; dermatitis; psoriasis; inflammatory bowel disease;
KM immunosuppression; anti-inflammatory; antirheumatic; antiarthritic;
KM antidiabetic; antibacterial; dermatological; antipsoriatic;
KM antidiabetic; ophthalmological; neuroprotective; multiple sclerosis;
KM diabetes; uveitis; coeliac disease.
XX
XX Unidentified.
XX
XX WO200206316-A2.
XX
XX 24-JAN-2002.
PD
XX
XX 16-JUL-2001; 2001WO-US22263.
PF
XX
XX 14-JUL-2000; 2000US-218381P.
PR 18-AUG-2000; 2000US-226382P.
PR 06-OCT-2000; 2000US-238380P.
PR 29-DEC-2000; 2000US-258754P.
PR 14-JUN-2001; 2001US-298317P.
XX
XX (ZYCO-) ZYCOS INC.
PA
XX
XX Hedley ML, Urban R, Aziz N, Chen H, Etemad-Moghadam B, Yin P;
PI WPI, 2002-195801/25.
XX
XX Novel nucleic acid encoding fusion protein comprising alpha-melanocyte
PT stimulating hormone concatamer or its analog, for treating inflammatory
PT or autoimmune disorders -
XX
XX Example 2; Page 5; 89pp; English.

XX
XX The present invention relates to a nucleic acid comprising a sequence
CC encoding a fusion polypeptide having an alpha-melanocyte stimulating
CC hormone (MSH) concatamer. The sequences are useful for treating an
CC individual suffering from, or at risk of, a disorder of the immune system
CC e.g. inflammatory disorder or autoimmune disorder, including rheumatoid
CC arthritis, asthma, sepsis, cirrhosis, dermatitis, psoriasis, contact
CC hypersensitivity, inflammatory bowel disease, autoimmune encephalitis,
CC multiple sclerosis, diabetes, lupus, uveitis and coeliac disease. The
CC present sequence is a protein described in the exemplification of the
CC invention.
XX
XX Sequence 268 AA;
Query Match 100.0%; Score 64; DB 23; Length 268;
Best Local Similarity 100.0%; Pred. No. 0.00046;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 DAHKEVAHRRK 12
DB 25 DAHKEVAHRRK 36
RESULT 23
AAU29575
ID AAU29575 standard; Protein; 289 AA.
AC AAU29575;
XX
XX 18-DEC-2001 (first entry)
DT
XX
XX Novel human secreted protein #66.
DE
XX
XX Human; vaccination; gene therapy; nutritional supplement;
KM stem cell proliferation; haematopoiesis; nerve tissue regeneration;
KM immune suppression; immune stimulation; anti-inflammatory; leukaemia.
XX
XX Homo sapiens.
OS
XX
XX WO200179449-A2.
PN
XX
XX 25-OCT-2001.
PD
XX
XX 16-APR-2001; 2001WO-US08656.
PF
XX
XX 18-APR-2000; 2000US-0552929.
PR 26-JAN-2001; 2001US-0770160.
XX
XX (HYSE-) HYSEQ INC.
PA
XX
XX Tang YT, Liu C, Drmanac RT;
PI WPI, 2001-611725/70.
XX
XX Nucleic acids encoding a range of human polypeptides, useful in genetic
PT vaccination, testing and therapy -
XX
XX Claim 20; Page 167; 765pp; English.
PS
XX
XX The invention relates to novel human secreted polypeptides. The
CC polypeptides and antibodies to the polypeptides are useful for
CC determining the presence of or predisposition to a disease associated
CC with altered levels of polypeptide. The polypeptides are also useful for
CC identifying agents (agonists and antagonists) that bind to them. Cells
CC expressing the proteins are useful for identifying a therapeutic agent
CC for use in treatment of a pathology related to aberrant expression or
CC physiological interactions of the polypeptide. Vectors comprising
CC the nucleic acids encoding the polypeptides and cells genetically
CC engineered to express them are also useful for producing the proteins.
CC The proteins are useful in genetic vaccination, testing and
CC therapy, and can be used as nutritional supplements. They may be used to
CC increase stem cell proliferation to regulate haematopoiesis; and in
CC bone, cartilage, tendon and/or nerve tissue growth or regeneration;

CC immune suppression and/or stimulation; as anti-inflammatory agents; and
 CC in treatment of leukaemias. AAU29510-AAU33304 represent the amino acid
 CC sequences of novel human secreted proteins of the invention.

SQ Sequence 289 AA;

Query Match 100.0%; Score 64; DB 22; Length 289;
 Best Local Similarity 100.0%; Pred. No. 0.0005;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVVAHRFK 12
 |||||
 DB 37 DAHKEVVAHRFK 48

RESULT 24
 AAU29581
 ID AAU29581 standard; protein; 289 AA.

XX AAU29581;

XX 18-DEC-2001 (first entry)

XX Novel human secreted protein #72.

XX Human; vaccination; gene therapy; nutritional supplement;
 KM stem cell proliferation; haematopoiesis; nerve tissue regeneration;
 KM immune suppression; immune stimulation; anti-inflammatory; leukaemia.
 OS Homo sapiens.

XX WO200179449-A2.

XX 25-OCT-2001.

XX 16-APR-2001; 2001WO-US08656.

PR 18-APR-2000; 2000US-0552929.
 PR 26-JAN-2001; 2001US-0770160.

XX (HYSE-) HYSEQ INC.

XX Tang YT, Liu C, Drmanac RT;

XX WPI; 2001-611725/70.

PT Nucleic acids encoding a range of human polypeptides, useful in genetic
 PT vaccination, testing and therapy -

Claim 20; Page 168; 765pp; English.

XX The invention relates to novel human secreted polypeptides. The
 CC polypeptides and antibodies to the polypeptides are useful for
 CC determining the presence of or predisposition to a disease associated
 CC with altered levels of polypeptide. The polypeptides are also useful for
 CC identifying agents (agonists and antagonists) that bind to them. Cells
 CC expressing the proteins are useful for identifying a therapeutic agent
 CC for use in treatment of a pathology related to aberrant expression or
 CC physiological interactions of the polypeptide. Vectors comprising
 CC the nucleic acids encoding the polypeptides and cells genetically
 CC engineered to express them are also useful for producing the proteins.
 CC The proteins are useful in genetic vaccination, testing and
 CC therapy, and can be used as nutritional supplements. They may be used to
 CC increase stem cell proliferation; to regulate haematopoiesis; and in
 CC bone, cartilage, tendon and/or nerve tissue growth or regeneration;
 CC immune suppression and/or stimulation; as anti-inflammatory agents; and
 CC in treatment of leukaemias. AAU29510-AAU33304 represent the amino acid
 CC sequences of novel human secreted proteins of the invention.

SQ Sequence 289 AA;

Query Match 100.0%; Score 64; DB 22; Length 289;
 Best Local Similarity 100.0%; Pred. No. 0.0005;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVVAHRFK 12
 |||||
 DB 37 DAHKEVVAHRFK 48

RESULT 25
 AAR14178
 ID AAR14178 standard; protein; 303 AA.

XX AAR14178;

DT 19-DEC-1991 (first entry)

XX Human serum albumin lacking C-terminal fragment.

XX HSA; fusion protein; drug.

XX Homo sapiens.

XX JP03201987-A.

XX 03-SEP-1991.

XX 29-DEC-1989; 89JP-0344701.

XX 29-DEC-1989; 89JP-0344701.

XX (TOFU) TONEN CORP.

XX WPI; 1991-300976/41.

PT Human serum albumin fragment - where C-terminal of human serum
 PT albumin is lacking and which can be combined with various drugs

XX Claim 1; Page 1; 23pp; Japanese.

XX This sequence corresponds to amino acids 1 to 303 of mature human
 CC serum albumin. The fragment lacking the C-terminal sequence can form
 CC part of a fusion protein, for example with drugs. (This sequence is
 CC taken from the full-length HSA sequence in EP-330451).
 CC See also AAR14179.

XX Sequence 303 AA;

Query Match 100.0%; Score 64; DB 12; Length 303;
 Best Local Similarity 100.0%; Pred. No. 0.00053;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVVAHRFK 12
 |||||
 DB 1 DAHKEVVAHRFK 12

RESULT 26
 AAP90387
 ID AAP90387 standard; protein; 373 AA.

XX AAP90387;

DT 01-NOV-1989 (first entry)

XX N-terminal of human serum albumin polypeptide.

XX Human serum albumin polypeptide; plasma expanders.

XX Homo sapiens (Human).

XX EP322094-A.

XX 28-JUN-1989.

PF 25-OCT-1988; 88BP-0310000.
 XX
 PR 30-OCT-1987; 87GB-0025529.
 XX
 PA (DELTA) DELTA BIOTECH LTD.
 XX
 PI Ballance DJ, Hinchliffe E, Geisow MJ, Senior PJ;
 XX
 DR WPI; 1989-186464/26.
 XX
 PT New N-terminal fragments of human serum albumin
 XX - esp. useful as blood plasma expanders.
 XX
 PS Claim 2; page 9; 20pp; English.
 XX
 CC N-terminal portion of human serum albumin. Used as plasma expanders,
 CC or as substitutes for HSA or BSA, in tissue culture media.
 XX
 SQ Sequence 373 AA;
 Query Match 100.0%; Score 64; DB 10; Length 373;
 Best Local Similarity 100.0%; Pred. No. 0.00068;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 DAKSEVAFHFK 12
 DB 1 DAKSEVAFHFK 12

RESULT 27
 AAP90389
 ID AAP90389 standard; protein; 388 AA.
 XX
 AC AAP90389;
 XX
 DT 01-NOV-1989 (first entry)
 XX
 DE N-terminal human serum albumin polypeptide.
 XX
 KM N-terminal human serum albumin polypeptide; plasma expanders.
 XX
 OS Homo sapiens (Human).
 XX
 PN EP322094-A.
 XX
 PD 28-JUN-1989.
 XX
 PF 25-OCT-1988; 88BP-0310000.
 XX
 PR 30-OCT-1987; 87GB-0025529.
 XX
 PA (DELTA) DELTA BIOTECH LTD.
 XX
 PI Ballance DJ, Hinchliffe E, Geisow MJ, Senior PJ;
 XX
 DR WPI; 1989-186464/26.
 XX
 PT New N-terminal fragments of human serum albumin
 XX - esp. useful as blood plasma expanders.
 XX
 PS Claim 2; page 9; 20pp; English.
 XX
 CC N-terminal fragment of human serum albumin used as plasma expander,
 CC or as substitutes for HSA or BSA, in tissue culture media.
 XX
 SQ Sequence 388 AA;

Query Match 100.0%; Score 64; DB 10; Length 388;
 Best Local Similarity 100.0%; Pred. No. 0.00071;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 DAKSEVAFHFK 12
 DB 1 DAKSEVAFHFK 12

DB 1 DAKSEVAFHFK 12
 RESULT 28
 AAP90390
 ID AAP90390 standard; protein; 389 AA.
 XX
 AC AAP90390;
 XX
 DT 01-NOV-1989 (first entry)
 XX
 DE N-terminal human serum albumin.
 XX
 KM N-terminal portion of human serum albumin; plasma expanders.
 XX
 OS Homo sapiens (Human).
 XX
 PN EP322094-A.
 XX
 PD 28-JUN-1989.
 XX
 PF 25-OCT-1988; 88BP-0310000.
 XX
 PR 30-OCT-1987; 87GB-0025529.
 XX
 PA (DELTA) DELTA BIOTECH LTD.
 Query Match 100.0%; Score 64; DB 10; Length 389;
 Best Local Similarity 100.0%; Pred. No. 0.00071;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 DAKSEVAFHFK 12
 DB 1 DAKSEVAFHFK 12
 RESULT 29
 AAP90391
 ID AAP90391 standard; protein; 390 AA.
 XX
 AC AAP90391;
 XX
 DT 01-NOV-1989 (first entry)
 XX
 DE N-terminal human serum albumin.
 XX
 KM N-terminal portion of human serum albumin; plasma expanders.
 XX
 OS Homo sapiens (Human).
 XX
 PN EP322094-A.
 XX
 PD 28-JUN-1989.
 XX
 PF 25-OCT-1988; 88BP-0310000.
 XX
 PR 30-OCT-1987; 87GB-0025529.
 XX
 PA (DELTA) DELTA BIOTECH LTD.

XX Balance DJ, Hinchliffe E, Geisow MJ, Senior PJ;
 XX WPI; 1989-186464/26.
 XX New N-terminal fragments of human serum albumin
 XX - esp. useful as blood plasma expanders.
 XX Claim 2; page 9; 20pp; English.
 XX N-terminal portion of human serum albumin. Used to make new
 CC N-terminal fragments which are used as plasma expanders,
 CC or as substitutes for HSA or BSA, in tissue culture media.
 XX Sequence 390 AA;
 SQ
 Query Match 100.0%; Score 64; DB 10; Length 390;
 Best Local Similarity 100.0%; Pred. No. 0.00071;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 DAKSEVAHREFK 12
 DB 1 DAKSEVAHREFK 12
 RESULT 30
 AAU29876
 ID AAU29876 standard; Protein; 401 AA.
 XX AAU29876;
 AC 18-DEC-2001 (first entry)
 DT
 XX Novel human secreted protein #367.
 DE
 XX Human; vaccination; gene therapy; nutritional supplement;
 KW stem cell proliferation; haematopoiesis; nerve tissue regeneration;
 KM immune suppression; immune stimulation; anti-inflammatory; leukaemia.
 XX Homo sapiens.
 OS
 XX WO200179449-A2.
 PN
 XX 25-OCT-2001.
 PD
 XX 16-APR-2001; 2001WO-US08656.
 PF
 XX 18-APR-2000; 2000US-0552929.
 PR 26-JAN-2001; 2001US-0770160.
 (HYSE-) HYSEQ INC.
 XX Tang YT, Liu C, Drmanac RT;
 PI WPI; 2001-611725/70.
 DR
 XX Nucleic acids encoding a range of human polypeptides, useful in genetic
 PT vaccination, testing and therapy -
 PT Claim 20; page 206; 765pp; English.
 PS
 XX The invention relates to novel human secreted polypeptides. The
 CC polypeptides and antibodies to the polypeptides are useful for
 CC determining the presence of or predisposition to a disease associated
 CC with altered levels of polypeptide. The polypeptides are also useful for
 CC identifying agents (agonists and antagonists) that bind to them. Cells
 CC expressing the proteins are useful for identifying a therapeutic agent
 CC for use in treatment of a pathology related to aberrant expression or
 CC physiological interactions of the polypeptide. Vectors comprising
 CC the nucleic acids encoding the polypeptides and cells genetically
 CC engineered to express them are also useful for producing the proteins.
 CC The proteins are useful in genetic vaccination, testing and
 CC therapy, and can be used as nutritional supplements. They may be used to

CC increase stem cell proliferation; to regulate haematopoiesis; and in
 CC bone, cartilage, tendon and/or nerve tissue growth or regeneration;
 CC immune suppression and/or stimulation; as anti-inflammatory agents; and
 CC in treatment of leukaemias. AAU29510-AAU3304 represent the amino acid
 CC sequences of novel human secreted proteins of the invention.
 XX Sequence 401 AA;
 SQ
 Query Match 100.0%; Score 64; DB 22; Length 401;
 Best Local Similarity 100.0%; Pred. No. 0.00074;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 DAKSEVAHREFK 12
 DB 38 DAKSEVAHREFK 49
 RESULT 31
 AAP90392
 ID AAP90392 standard; Protein; 407 AA.
 XX AAP90392;
 AC 01-NOV-1989 (first entry)
 DT
 XX N-terminal human serum albumin.
 DE
 XX Human serum albumin; mature protein; new polypeptides;
 KW plasma expanders.
 XX Homo sapiens (Human).
 OS
 XX EP322094-A.
 PN
 XX 28-JUN-1989.
 PD
 XX 25-OCT-1988; 88EP-0310000.
 PF
 XX 30-OCT-1987; 87GB-0025529.
 PR
 XX (DELTA) DELTA BIOTECH LTD.
 PA
 XX Balance DJ, Hinchliffe E, Geisow MJ, Senior PJ;
 PI WPI; 1989-186464/26.
 DR
 XX New N-terminal fragments of human serum albumin
 PT - esp. useful as blood plasma expanders.
 PT Claim 2; page 9; 20pp; English.
 PS
 XX N-terminal portion of human serum albumin. Used to make
 CC plasma expanders, or as substitutes for HSA or BSA,
 CC in tissue culture media.
 CC Sequence 407 AA;
 SQ
 Query Match 100.0%; Score 64; DB 10; Length 407;
 Best Local Similarity 100.0%; Pred. No. 0.00075;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 DAKSEVAHREFK 12
 DB 1 DAKSEVAHREFK 12
 RESULT 32
 AAU29877
 ID AAU29877 standard; Protein; 550 AA.
 XX AAU29877;
 AC 18-DEC-2001 (first entry)
 DT

XX DE Novel human secreted protein #368.
XX KW Human; vaccination; gene therapy; nutritional supplement;
XX KW Stem cell proliferation; haematopoiesis; nerve tissue regeneration;
XX KW Immune suppression; immune stimulation; anti-inflammatory; leukaemia.
OS Homo sapiens.
PN W0200179449-A2.
XX
PD 25-OCT-2001.
XX
PF 16-APR-2001; 2001WO-US08656.
XX
PR 18-APR-2000; 2000US-0552929.
XX
PR 26-JAN-2001; 2001US-0770160.
XX
XX (HYSE-) HYSEQ INC.
XX
XX Tang YT, Liu C, Drmanac RT;
XX
XX WPI; 2001-611725/70.
XX
XX Nucleic acids encoding a range of human polypeptides, useful in genetic
XX PT vaccination, testing and therapy -
XX
XX Claim 20; Page 206; 765pp; English.
XX
XX The invention relates to novel human secreted polypeptides. The
XX CC polypeptides and antibodies to the polypeptides are useful for
XX CC determining the presence of or predisposition to a disease associated
XX CC with altered levels of polypeptide. The polypeptides are also useful for
XX CC identifying agents (agonists and antagonists) that bind to them. Cells
XX CC expressing the proteins are useful for identifying a therapeutic agent
XX CC for use in treatment of a pathology related to aberrant expression or
XX CC physiological interactions of the polypeptide. Vectors comprising
XX CC the nucleic acids encoding the polypeptides and cells genetically
XX CC engineered to express them are also useful for producing the proteins.
XX CC The proteins are useful in genetic vaccination, testing and
XX CC therapy, and can be used as nutritional supplements. They may be used to
XX CC increase stem cell proliferation; to regulate haematopoiesis; and in
XX CC bone, cartilage, tendon and/or nerve tissue growth or regeneration;
XX CC immune suppression and/or stimulation; as anti-inflammatory agents; and
XX CC in treatment of leukaemias. AAU29510-AAU3304 represent the amino acid
XX CC sequences of novel human secreted proteins of the invention.
XX
XX Sequence 550 AA;
XX
XX Query Match 100.0%; Score 64; DB 22; Length 550;
XX Best Local Similarity 100.0%; Pred. No. 0.0011;
XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 DAKSEVAHREFK 12
XX |||||
XX DB 27 DAKSEVAHREFK 38
XX
XX RESULT 33
XX AAP93344
XX ID AAP93344 standard; protein; 585 AA.
XX
XX AC AAP93344;
XX
XX DT 23-JUN-1990 (first entry)
XX
XX DE Sequence of mature human serum albumin (HSA) as encoded by
XX DE artificial gene.
XX
XX KW Mature human serum albumin; artificial gene; oligonucleotide block;
XX KW hypobolaemia; shock; hypobolaemia.
XX
XX OS Homo sapiens.

XX
XX PN EP308381-A.
XX
XX PD 22-MAR-1989.
XX
XX PF 13-SEP-1988; 88EP-0850299.
XX
XX PR 14-SEP-1987; 87SE-0003539.
XX
XX (SKAN-) SKANDIGEN AB (MAGY VEPE-).
XX
XX PA Aberg B, Simoncits A, Kalman M, Cserpan I, Bajszar G;
XX
XX WPI; 1989-087749/12.
XX
XX DR N-PSDB; AAN90997.
XX
XX PT Artificial gene coding for authentic human serum albumin -
XX PT constructed of the basis of codons most frequently used by
XX PT chosen non-human host
XX
XX PS Disclosure; pp. 11-16; 121pp; English.
XX
XX CC The synthetic gene was constructed by designing a nucleotide sequence in
XX CC which the codons which are most frequently used by the chosen non-human
XX CC host were selected. In this case, it is yeast cells (L120; Leu2-3; 112,
XX CC His 3-11, 15). The synthetic HSA gene was assembled from 24
XX CC oligonucleotide blocks. HSA is used in therapy for the treatment of
XX CC hypobolaemia, shock and hypobolaemia. It is also used as an additive
XX CC in perfusion liq. for extracorporeal circulation and as an experimental
XX CC antigen.
XX
XX SQ Sequence 585 AA;
XX
XX Query Match 100.0%; Score 64; DB 10; Length 585;
XX Best Local Similarity 100.0%; Pred. No. 0.0011;
XX Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 DAKSEVAHREFK 12
XX |||||
XX DB 1 DAKSEVAHREFK 12
XX
XX RESULT 34
XX AAP90388
XX ID AAP90388 standard; protein; 585 AA.
XX
XX AC AAP90388;
XX
XX DT 01-NOV-1989 (first entry)
XX
XX DE Mature human serum albumin polypeptide.
XX
XX KW Human serum albumin; mature protein; new polypeptides;
XX KW plasma expanders.
XX
XX OS Homo sapiens (Human).
XX
XX PN EP322094-A.
XX
XX PD 28-JUN-1989.
XX
XX PF 25-OCT-1988; 88EP-0310000.
XX
XX PR 30-OCT-1987; 87GB-0025529.
XX
XX PA (DELT) DELTA BIOTECH LTD.
XX
XX PI Balance DJ, Hinchliffe E, Geisow MJ, Senior PJ;
XX
XX WPI; 1989-186464/26.
XX
XX DR N-PSDB; AAN90128.
XX
XX PT New N-terminal fragments of human serum albumin

PT - esp. useful as blood plasma expanders.
 XX Disclosure; fig 2; 20pp; English.
 PS
 XX Mature protein of human serum albumin (see corresp. AAN90128).
 CC Used to make new N-terminal fragments which are used as plasma
 CC expanders, or as substitutes for HSA or BSA, in tissue culture
 CC media.
 CC
 SQ Sequence 585 AA;

Query Match 100.0%; Score 64; DB 10; Length 585;
 Best Local Similarity 100.0%; Pred. No. 0.0011;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 DAKSEVAHREFK 12
 |||||
 DB 1 DAKSEVAHREFK 12

RESULT 35

AA91422
 ID AAP91422 standard; protein; 585 AA.

AC AAP91422;

DT 20-DEC-1989 (first entry)

XX Human normal serum albumin A.

DE Human normal serum albumin A; pat-pho-HSA-A; haemorrhagic shock;
 XX hypalbuminaemia.

KW Human normal serum albumin A; pat-pho-HSA-A; haemorrhagic shock;
 XX hypalbuminaemia.

XX Homo sapiens.

OS EP330451-A.

PN 30-AUG-1989.

XX 22-FEB-1989; 89EP-0301731.

XX 22-FEB-1989; 89JP-0037453.

XX (TOFU) TOA NENRYO KOGYO KK.

XX Susuki M, Maki N, Yagi S;

PI WPI; 1989-250534/35.

DR cDNA encoding human normal serum albumin contained in plasmid - obcd. by
 culturing host transformed with expression vector comprising cDNA coding
 for albumin.

PT Claim 1; fig3-1 to 3-5; 19pp; English.

XX cDNA amino acid sequence of human serum albumin A (HSA-A) which is
 CC identical to that encoded by chromosomal DNA. Previous polypeptides
 CC produced from cDNA have one or more amino acids which differ from those
 CC of HSA-A produced from the chromosomal DNA, and may exhibit antigenicity
 CC when administered to humans. The HSA-A is used to treat haemorrhagic
 CC shock and hypalbuminaemia. See also AAN90600.

XX SQ Sequence 585 AA;

Query Match 100.0%; Score 64; DB 10; Length 585;

Best Local Similarity 100.0%; Pred. No. 0.0011;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 DAKSEVAHREFK 12
 |||||
 DB 1 DAKSEVAHREFK 12

RESULT 36

AA05318
 ID AAR05318 standard; protein; 585 AA.

AC AAR05318;

DT 08-OCT-1990 (first entry)

XX Human serum albumin gene product.

DE Human serum albumin; HSA-A; yeast; de.

XX Homo sapiens.

PN JP02117384-A.

XX 01-MAY-1990.

XX 26-OCT-1988; 88JP-0268302.

XX 26-OCT-1988; 88JP-0268302.

XX (TOFU) TOA NENRYO KOGYO KK.

XX WPI; 1990-176228/23.

XX N-PSDB; AAC04719.

XX Human serum albumin prep. by yeast host -
 PT by culturing transformed plasmid yeast to produce serum, and
 PT removing it.

XX Disclosure; ; pp; Japanese.

XX Mature HSA-A may be produced using the sequence incorporated into a
 CC plasmid vector with suitable controllers, and transferred to a yeast
 CC expression system.

XX SQ Sequence 585 AA;

Query Match 100.0%; Score 64; DB 11; Length 585;

Best Local Similarity 100.0%; Pred. No. 0.0011;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 DAKSEVAHREFK 12
 |||||
 DB 1 DAKSEVAHREFK 12

RESULT 37

AA08457
 ID AAR08457 standard; Protein; 585 AA.

AC AAR08457;

DT 16-APR-1991 (first entry)

XX Human serum albumin.

XX HSA; folding; ss.

XX Homo sapiens.

XX Key Location/Qualifiers

XX FT 123..303 /label= A

XX FT 1..303 /label= B

XX FT 123..585 /label= C

XX JP02227079-A.

XX 25-AUG-1989.

XX 10-SEP-1990; 90JP-0250926.
XX 06-OCT-1988; 88JP-0250926.
XX (TOFU) TONEN CORP.
XX WPI; 1990-317325/42.
XX N-PSDB; AAQ06099.
XX New human serum albumin fragments - used to bond medicines and for
XX stable folding of protein(s).
XX Claim 1; Fig 8; 24pp; Japanese.
XX Fragments A-C of HSA are expressed as fusion proteins with the
XX signal peptide of E. coli alkaline phosphatase. The fragments are
XX selected for their specific properties. The C-terminal truncated
XX fragment, B, does not bind long-chain fatty acids but does bind to
XX various medicines at the central region. The N-terminal truncated
XX fragment, C, has good stability in protein folding. The central
XX segment, A, has characteristics of both B and C.
XX See also AAQ06096-Q06098.

SQ Sequence 585 AA;

Query Match 100.0%; Score 64; DB 11; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREFK 12
Db 1 DAKSEVAHREFK 12

RESULT 38

AA20029
ID AAR20029 standard; Protein; 585 AA.

AC AAR20029;

DT 08-APR-1992 (first entry)

DE Human serum albumin.

KW HSA; yeast promoter; His4; Leu2.

XX Homo sapiens.

PN JP03262487-A.

PD 22-NOV-1991.

PF 12-MAR-1990; 90JP-0057885.

PR 12-MAR-1990; 90JP-0057885.

PA (TOFU) TONEN CORP.

XX WPI; 1992-012704/02.

DR N-PSDB; AAQ20201.

PT Stable prepr. of human serum albumin - by culturing yeast in
PT which plasmid for recombinating DNA coding human serum albumin,
PT etc. is inserted

XX Disclosure; Fig 4; 12pp; Japanese.

XX HSA can be recombinantly produced in yeast. A HSA coding
XX sequence is incorporated into a vector which also contains a DNA
XX region having the same base sequence as that of the target region
XX of the chromosome and a promoter (esp. His4 or Leu2) to regulate
XX the expression of the HSA coding sequence in the yeast host.

XX Sequence 585 AA;

Query Match 100.0%; Score 64; DB 13; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREFK 12
Db 1 DAKSEVAHREFK 12

RESULT 39

AA26207
ID AAR26207 standard; Protein; 585 AA.

AC AAR26207;

DT 08-FEB-1993 (first entry)

DE Human serum albumin.

KW Expression cassette; methanol-responsive gene; methylotrophic yeast;
KW alpha-mating factor; AMF; HSA.

XX Homo sapiens.

PN WO9213951-A.

PD 20-AUG-1992.

PF 04-FEB-1992; 92WO-US01015.

PR 04-FEB-1991; 91US-0650040.

PA (SALK) SALK INST BIOTECHNOLOGY IND ASSOC.

PI Davis GR, Provow SA;

DR WPI; 1992-300037/36.

DR N-PSDB; AAQ27462.

PT DNA fragment for prodn. of human serum albumin - comprises
PT expression cassette including promoter and terminator sequences
PT of methanol responsive gene, for expression in methylotrophic
PT yeast

XX

PS Disclosure; Page 50-1; 75pp; English.

XX The sequences given in AAR26207-9 were encoded by an expression cassette
XX containing;

CC (a) the promoter region of a methanol-responsive gene of
CC a methylotrophic yeast;

CC (b) a DNA sequence encoding a polypeptide encoding
CC mating factor (AMF) pre-pro sequence (AAR26208) or the native human
CC serum albumin (HSA) signal sequence; and

CC (ii) an HSA peptide (AAR26207); and

CC (c) a transcription terminator, functional in methylotrophic
CC yeast (AAR26209).

CC The expression vector encoding this protein can be used for the large
CC scale production of HSA. The HSA can then be administered to patients
CC with circulatory failure or albumin depletion.

XX with circulatory failure or albumin depletion.

XX Sequence 585 AA;

Query Match 100.0%; Score 64; DB 13; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREFK 12
Db 1 DAKSEVAHREFK 12

RESULT 40
AA026362
ID AAR26362 standard; Protein; 585 AA.
XX
AC AAR26362;
XX
DT 11-FEB-1993 (first entry)
XX
DE Synthetic HSA protein.
XX
KW Human serum albumin; transformants; recombinant.
XX
OS Synthetic.
XX
PN JP04211375-A.
XX
PD 03-AUG-1992.
XX
PF 05-FEB-1991; 91JP-0014600.
XX
PR 05-FEB-1990; 90JP-0025682.
XX
PA (AJIN) AJINOMOTO KK.
XX
DR WPI; 1992-304940/37.
XX
DR N-PSDB; AAQ27813.
XX
PT Synthetic gene for prepn. of human serum albumin - comprises
XX
PT synthetic DNA contg. gene coding the albumin using coding in
XX
PT Escherichia coli
XX
PS Fig 1; Page 13; 37pp; Japanese.
XX
CC The protein sequence was deduced from the synthetic DNA sequence
XX
CC encoding human serum albumin which was prepd. by ligating eight
XX
CC synthetic HSA gene fragments.
XX
SQ Sequence 585 AA;
XX
Query Match 100.0%; Score 64; DB 13; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1 DAKSEVAHREFK 12
DB 1 DAKSEVAHREFK 12
XX
RESULT 41
AA080301
ID AAR80301 standard; Protein; 585 AA.
XX
AC AAR80301;
XX
DT 17-JAN-1996 (first entry)
XX
DE Human serum albumin.
XX
KW Serum albumin; HSA; aspartyl protease-3; Yap3p;
XX
KW Saccharomyces cerevisiae.
XX
OS Homo sapiens.
XX
PN WO9523857-A1.
XX
PD 08-SEP-1995.
XX
PF 01-MAR-1995; 95WO-GB00434.
XX
PR 05-MAR-1994; 94GB-0004270.
XX

PA (DELZ) DELTA BIOTECHNOLOGY LTD.
XX
PI Gilbert SC, Kerry-Williams SM;
XX
DR WPI; 1995-320572/41.
XX
DR N-PSDB; AAQ98695.
XX
PT Yeast with reduced levels of aspartyl protease 3 proteolytic
XX
PT activity - used to secrete human albumin without prodn. of the 45
XX
PT kd fragment
XX
PS Example 1; Page 26-28; 50pp; English.
XX
CC The cDNA given in AAQ98695, which encodes HSA (AAR80301), was subjected
XX
CC to site-directed mutagenesis to investigate the role of
XX
CC endoproteases in the generation of a 45 kDa albumin fragment obtd.
XX
CC when the cDNA is expressed in S. cerevisiae. Mutations were: R410A;
XX
CC L407A, L408V, V409N, and R410H, K413Q, K414Q. The latter set of
XX
CC mutations, especially, improved stability of HSA to yeast Yap3p
XX
CC proteolytic cleavage, allowing increased prodn. of recombinant HSA.
XX
SQ Sequence 585 AA;
XX
Query Match 100.0%; Score 64; DB 16; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1 DAKSEVAHREFK 12
DB 1 DAKSEVAHREFK 12
XX
RESULT 42
AA020111
ID AA020111 standard; Protein; 585 AA.
XX
AC AA020111;
XX
DT 06-AUG-2002 (first entry)
XX
DE HSA protein sequence related to the growth hormone protein.
XX
KW Serum albumin-growth hormone fusion protein; growth hormone;
XX
KW Down's syndrome.
XX
OS Undefined.
XX
PN KR99076789-A.
XX
PD 15-OCT-1999.
XX
PF 25-JUN-1998; 98KR-0704914.
XX
PR 30-DEC-1995; 95GB-0026733.
XX
PR 19-DEC-1996; 96WO-GB03164.
XX
PA (DELZ) DELTA BIOTECHNOLOGY LTD.
XX
DR WPI; 1997-363680/55.
XX
DR N-PSDB; AAK99568.
XX
PT Serum albumin-growth hormone fusion protein - useful to treat growth
XX
PT hormone related diseases, e.g. Down's syndrome
XX
PS Disclosure; Fig 6; 21pp; Korean.
XX
CC The invention relates to a serum albumin-growth hormone fusion protein -
XX
CC useful to treat growth hormone related diseases such as Down's syndrome.
XX
CC This sequence represents a HSA protein related to the serum albumin-
XX
CC growth hormone protein of the invention.
XX
SQ Sequence 585 AA;

Query Match 100.0%; Score 64; DB 18; Length 585;
 Best Local Similarity 100.0%; Pred. No. 0.0011;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAREPK 12
 DB 1 DAKSEVAREPK 12

RESULT 43

AAW59841
 ID AAW59841 standard; Protein; 585 AA.

AC AAW59841;

DT 20-NOV-1998 (first entry)

DE Mature protein of human serum albumin (HSA).

XX Protein expression; monoclonal plant cell;

KM glycosylated alpha 1-antitrypsin; AAT; glycosylated antithrombin III;

KM AAT; human serum albumin; HSA; subtilisin BPN'; treatment; emphysema;

KM antithrombotic; blood replacement.

OS Homo sapiens.

PN WO9836085-A1.

PD 20-AUG-1998.

PF 13-FEB-1998; 98WO-US03068.

XX 13-FEB-1997; 97US-0038170.

PR 13-FEB-1997; 97US-0037991.

PR 13-FEB-1997; 97US-0038168.

PR 13-FEB-1997; 97US-0038169.

XX (PHYT-) APPLIED PHYTOLOGICS INC.

XX Rodriguez RL, Sutcliffe TD;

XX WPI; 1998-467179/40.

DR N-PSDB; AAW41728.

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XX

XX

Disclosure; Pages 31-32; 53pp; English.

Expressing mature, glycosylated proteins in monoclonal plant cells - from chimeric gene including signal peptide sequence, specifically therapeutic agents and industrial enzymes

The present sequence represents the mature protein of human serum albumin (HSA). The protein is used to exemplify the invention. The specification describes a method for producing mature heterologous protein in monoclonal plant cells. The method comprises transforming the cells with a chimeric gene comprising a monoclonal transcription regulator, inducible either during seed maturation or by adding/removing a small molecule, DNA encoding the heterologous protein, and DNA encoding a signal peptide, with the signal peptide causing secretion of the protein from the cell. Proteins expressed in this manner include mature glycosylated alpha 1-antitrypsin (AAT) with a glycosylation pattern that significantly increases its serum half-life, mature glycosylated antithrombin III (AATIII), mature human serum albumin (HSA) having the native folding pattern as shown by bilirubin-binding characteristics, or mature active subtilisin BPN'. These proteins are useful therapeutically (e.g. AAT for treating emphysema, AATIII as antithrombotic and HSA as blood replacement) or as industrial enzymes (BPN' is used in detergents).

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XX

QY 1 DAKSEVAREPK 12
 DB 1 DAKSEVAREPK 12

RESULT 44

AAW84873
 ID AAW84873 standard; Protein; 585 AA.

AC AAW84873;

DT 08-AUG-2000 (first entry)

DE Amino acid sequence of a human albumin protein.

XX Human; albumin; ischemic state; serum protein; metal ion salt;

KM peroperative ischemia; ischemia; myocardial infarction;

KM progressive coronary artery disease.

OS Homo sapiens.

PN WO200020840-A1.

PD 13-APR-2000.

PF 01-OCT-1999; 99WO-US22905.

XX 02-OCT-1998; 98US-0102738.

PR 02-OCT-1998; 98US-0165581.

PR 02-OCT-1998; 98US-0165926.

PR 11-JAN-1999; 99US-0115392.

XX (ISCH-) ISCHEMIA TECHNOLOGIES INC.

XX Bar-Or D, Lau E, Winkler JV;

XX WPI; 2000-303843/26.

DR

XX

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XX

XX

Disclosure; Page 97-100; 105pp; English.

New method for the continuous detection of ischemic states comprises detecting and quantifying the existence of an alteration of the serum protein albumin -

The present sequence represents human albumin protein. The specification describes a method for the continuous detection of ischemic states. The method comprises detecting and quantifying the existence of an alteration of the serum protein albumin. The method comprises contacting a biological sample containing albumin from the patient with an excess quantity of a metal ion salt, where the metal ion binds to the N-terminus of naturally occurring human albumin, to form a mixture containing bound metal ions and unbound metal ions, and then determining the amount of metal ions bound to the albumin N-terminus. The amount of bound metal ions is correlated to a known value to determine the occurrence or non-occurrence of an ischemic event. The methods are useful for detection of ischemic states. The methods are also useful for distinguishing peroperative ischemia from ischemia caused by, amongst other things, myocardial infarctions and progressive coronary artery disease.

XX

XX

XX

XX

XX

XX

XX

Query Match 100.0%; Score 64; DB 21; Length 585;

Best Local Similarity 100.0%; Pred. No. 0.0011;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAREPK 12

DB 1 DAKSEVAREPK 12

[illegible]

XX	PI	Rosen CA, Haseltine MA;
DR	WPI; 2001-616754/71.	
DR	N-FSDB; AAD21638.	
XX		
PT	Albumin fusion proteins comprising a therapeutic protein and albumin,	
PT	useful in the treating immune system disorders (e.g. transplant	
PT	rejection), blood related disorders (e.g. myocardial infarction) and	
XX	hyperproliferative disorders -	
PS	Claim 1, Fig 9; 380pp; English.	
CC	The invention relates to albumin fusion proteins comprising therapeutic	
CC	protein and human albumin (HA). Therapeutic protein fused to albumin	
CC	have an extended shelf-life. The albumin fusion proteins are useful in	
CC	the treatment, prevention, diagnosis and/or detection of diseases,	
CC	disorders such as immune system disorders (e.g. transplant rejection),	
CC	blood related disorders (e.g. myocardial infarction), hyperproliferative	
CC	disorders (e.g. childhood acute myeloid leukemia), renal disorders	
CC	(e.g. glomerulonephritis), cardiovascular disorders (e.g. arrhythmias),	
CC	respiratory disorders (e.g. non-allergic rhinitis), neurological	
CC	diseases (e.g. Alzheimer's disease), endocrine disorders (e.g.	
CC	pheochromocytoma), reproductive system disorders (e.g. syphilis),	
CC	infectious diseases (e.g. measles), gastrointestinal disorders (e.g.	
CC	irritable bowel syndrome) and wound healing. Nucleic acids encoding	
CC	albumin fusion protein is used in gene therapy. The present sequence	
XX	is human albumin (HA) protein.	
SQ	Sequence 585 AA:	
QY	Query Match 100.0%; Score 64; DB 22; Length 585;	
	Best Local Similarity 100.0%; Prd. No. 0.0011;	
MATCHES	12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
DJ	1 DAKSEVAREFK 12 1 DAKSEVAREFK 12	

Search completed: April 11, 2003, 15:18:31
Job time : 39 secs

GenCore version 5.1.4 p5 4578
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OM protein - protein search, using sw model

Run on: April 11, 2003, 15:18:06 ; Search time 14 Seconds

(without alignments)
25.220 Million cell updates/sec

Title: US-09-846-347-1

Perfect score: 64

Sequence: 1 DAHKEVAFHAFK 12

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 75 summaries

Database :

Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	64	100.0	585	1	US-08-153-799-14
2	64	100.0	585	1	US-08-448-166A-3
3	64	100.0	585	2	US-08-984-176-1
4	64	100.0	585	2	US-08-702-572-2
5	64	100.0	585	4	US-08-769-746-2
6	64	100.0	609	1	US-08-223-619-3
7	64	100.0	609	1	US-08-433-037-4
8	64	100.0	609	4	US-08-897-956A-2
9	64	100.0	609	5	PCT-US95-04075-3
10	64	100.0	610	2	US-08-797-689-2
11	64	100.0	783	1	US-08-256-938-2
12	64	100.0	787	1	US-08-256-938-4
13	64	100.0	787	2	US-08-797-689-16
14	64	100.0	978	4	US-08-897-956A-3
15	59	92.2	583	1	US-08-134-638-1
16	59	92.2	583	1	US-08-448-166A-4
17	59	92.2	584	1	US-08-448-166A-7
18	58	90.6	13	2	US-08-803-364-7
19	58	90.6	13	2	US-09-024-198-13
20	58	90.6	13	2	US-09-186-409-13
21	54	84.4	583	1	US-08-448-196A-6
22	54	84.4	583	1	US-08-448-196A-6
23	50	78.1	13	2	US-08-803-364-6
24	50	78.1	13	2	US-09-024-198-12
25	50	78.1	13	2	US-09-186-409-12
26	50	78.1	16	2	US-08-803-364-1
27	50	78.1	16	2	US-09-024-198-10

ALIGNMENTS

28	50	78.1	16	2	US-09-186-409-10	Sequence 10, Appl
29	48	75.0	10	1	US-08-041-774-1	Sequence 1, Appl
30	48	75.0	10	4	US-08-530-340-7	Sequence 7, Appl
31	48	75.0	11	1	US-08-469-856-9	Sequence 9, Appl
32	43	67.2	1288	1	US-07-727-814B-2	Sequence 2, Appl
33	43	67.2	1288	1	US-08-258-614-2	Sequence 2, Appl
34	40	62.5	8	4	US-09-165-926-2	Sequence 2, Appl
35	40	62.5	1121	4	US-09-171-461-28	Sequence 28, Appl
36	38	59.4	514	4	US-08-738-168B-15	Sequence 15, Appl
37	36	56.2	80	4	US-09-134-001C-5307	Sequence 5307, Ap
38	34.5	53.9	513	2	US-08-357-533A-11	Sequence 11, Appl
39	34.5	53.9	513	2	US-08-459-009-11	Sequence 11, Appl
40	34.5	53.9	513	3	US-08-459-951-11	Sequence 11, Appl
41	34.5	53.9	536	2	US-08-357-533A-12	Sequence 12, Appl
42	34.5	53.9	536	2	US-08-459-009-12	Sequence 12, Appl
43	34.5	53.9	536	3	US-08-459-951-12	Sequence 12, Appl
44	34	53.1	138	4	US-08-586-039B-37	Sequence 37, Appl
45	34	53.1	158	4	US-08-586-039B-39	Sequence 39, Appl
46	34	53.1	210	4	US-08-173-300-34	Sequence 34, Appl
47	34	53.1	323	4	US-08-158-735A-12	Sequence 12, Appl
48	34	53.1	513	2	US-08-357-533A-10	Sequence 10, Appl
49	34	53.1	513	2	US-08-459-009-10	Sequence 10, Appl
50	34	53.1	513	2	US-08-300-584-2	Sequence 10, Appl
51	34	53.1	513	3	US-08-459-951-10	Sequence 10, Appl
52	34	53.1	513	4	US-08-738-168B-13	Sequence 13, Appl
53	34	53.1	513	4	US-08-476-123-2	Sequence 2, Appl
54	34	53.1	521	4	US-08-738-168B-5	Sequence 5, Appl
55	33.5	52.3	510	2	US-08-300-584-4	Sequence 4, Appl
56	33.5	52.3	510	4	US-08-476-123-4	Sequence 4, Appl
57	33	51.6	79	2	US-08-530-290-15	Sequence 15, Appl
58	33	51.6	132	2	US-08-647-960-11	Sequence 11, Appl
59	33	51.6	247	1	US-08-241-766-13	Sequence 13, Appl
60	33	51.6	264	2	US-08-728-521-1	Sequence 1, Appl
61	33	51.6	264	4	US-09-212-146-1	Sequence 1, Appl
62	33	51.6	316	2	US-08-728-521-3	Sequence 3, Appl
63	33	51.6	316	2	US-08-647-960-2	Sequence 2, Appl
64	33	51.6	316	3	US-08-946-914-15	Sequence 15, Appl
65	33	51.6	316	4	US-08-946-914-17	Sequence 17, Appl
66	33	51.6	316	4	US-09-131-648-5	Sequence 5, Appl
67	33	51.6	316	4	US-09-212-146-3	Sequence 3, Appl
68	33	51.6	316	4	US-09-656-450-15	Sequence 15, Appl
69	33	51.6	316	4	US-09-656-450-17	Sequence 17, Appl
70	33	51.6	317	3	US-08-946-914-6	Sequence 6, Appl
71	33	51.6	317	4	US-09-656-450-6	Sequence 6, Appl
72	33	51.6	457	2	US-08-847-900-3	Sequence 3, Appl
73	33	51.6	521	4	US-09-413-814-54	Sequence 54, Appl
74	33	51.6	549	4	US-09-245-041-9	Sequence 9, Appl
75	33	51.6	649	1	US-08-477-476-2	Sequence 2, Appl

RESULT 1
US-08-153-799-14
Sequence 14, Application US/08153799
Patent No. 5766883
GENERAL INFORMATION:
APPLICANT: Ballance, David J
TITLE OF INVENTION: Polypeptides
CORRESPONDENCE ADDRESSES:
ADDRESSEE: R Hain Swope, BOC Health Care Inc
STREET: 100 Mountain Avenue
City: Murray Hill
STATE: New Jersey
COUNTRY: USA
ZIP: 07974
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/153,799
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/847975
FILING DATE: 06-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 8909916.2
FILING DATE: 29-APR-1989
PRIOR APPLICATION DATA: PCT/GB90/00650
FILING DATE: 26-APR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/775952
FILING DATE: 29-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: Swope, R Haln
REGISTRATION NUMBER: 24864
REFERENCE/DOCKET NUMBER: 92H832
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 665 2400
TELEFAX: (908) 771 6159
TELEX: 219484
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 585 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: Region
LOCATION: 353..419
OTHER INFORMATION: /note="Alternative C-termini of
OTHER INFORMATION: HSA(1-n)"
FEATURE:
NAME/KEY: Region
LOCATION: 1..585
OTHER INFORMATION: /note="amino acid sequence of
OTHER INFORMATION: natural HSA"
US-08-153-799-14
Query Match 100.0%; Score 64; DB 1; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.00049;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 1 DAKSEVAHREFK 12
1 DAKSEVAHREFK 12
US-08-448-196A-3
RESULT 2
Sequence 3, Application US/08448196A
Patent No. 5780594
GENERAL INFORMATION:
APPLICANT: CARTER, DANIEL C.
TITLE OF INVENTION: BIOLOGICALLY ACTIVE PROTEIN FRAGMENTS
CONTAINING SPECIFIC BINDING REGIONS OF SERUM ALBUMIN OR
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: NASA
STREET: MARSHALL SPACE FLIGHT CENTER
CITY: HUNTSVILLE
STATE: ALABAMA
COUNTRY: USA
ZIP: 35812
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/448,196A
FILING DATE: 23-MAY-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: BROAD JR., ROBERT L.
REGISTRATION NUMBER: 18,757
REFERENCE/DOCKET NUMBER: XX/WFS-28402-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 205-544-0021
TELEFAX: 205-544-0258
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 585 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
US-08-448-196A-3

Query Match 100.0%; Score 64; DB 1; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.00049;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREFK 12
DB 1 DAKSEVAHREFK 12

RESULT 3
US-08-984-176-1
Sequence 1, Application US/08984176
Patent No. 5948609
GENERAL INFORMATION:
APPLICANT: CARTER, DANIEL C
APPLICANT: HO, JOSEPH X
TITLE OF INVENTION: OXYGEN-TRANSPORTING ALBUMIN-BASED BLOOD REPLACEMENT
FILE REFERENCE: 08/984,176
CURRENT APPLICATION NUMBER: US/08/984,176
CURRENT FILING DATE: 1997-12-03
NUMBER OF SEQ ID NOS: 1
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 585
TYPE: PRT
ORGANISM: Homo sapiens
US-08-984-176-1
Query Match 100.0%; Score 64; DB 2; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.00049;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREFK 12
DB 1 DAKSEVAHREFK 12

RESULT 4
US-08-702-572-2
Sequence 2, Application US/08702572
Patent No. 5965386
GENERAL INFORMATION:
APPLICANT: Kerry-Williams, Sean M
APPLICANT: Gilbert, Sarah C
TITLE OF INVENTION: Yeast Strains and Modified Albumins

NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Centene L.L.C.
STREET: 1020 First Avenue
CITY: King of Prussia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19406-1310
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Microsoft Word 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/702,572
FILING DATE: 11-NOV-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO 95/23857
FILING DATE: 1-MAR-1995
APPLICATION NUMBER: GB 9404270.2
FILING DATE: 5-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Naomi Biswas
REGISTRATION NUMBER: 38,384
REFERENCE/DOCKET NUMBER: CE0114 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610/878/4294
TELEFAX: 610/878/4221
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 585 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-702-572-2

Query Match 100.0%; Score 64; DB 2; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.00049;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAREFK 12
Db 1 DAKSEVAREFK 12

RESULT 5
US-08-769-746-2
Sequence 2, Application US/08769746
Patent No. 6274305
GENERAL INFORMATION:
APPLICANT: Sonnenchein, Carlos
TITLE OF INVENTION: Inhibiting Proliferation of Cancer Cells
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Medlen & Carroll, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/769,746
FILING DATE: 19-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Carroll, Peter G.

REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: MBI-02584
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 585 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-769-746-2

Query Match 100.0%; Score 64; DB 4; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.00049;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAREFK 12
Db 1 DAKSEVAREFK 12

RESULT 6
US-08-222-619-3
Sequence 3, Application US/08222619
Patent No. 5652352
GENERAL INFORMATION:
APPLICANT: Lichenstein, Henri
APPLICANT: Lyons, David
APPLICANT: Wufel, Mark
APPLICANT: Wright, Samuel
TITLE OF INVENTION: A Human Serum Albumin-like
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Center, Patent Operations/RRC
STREET: 1840 DeHavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: U.S.
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,619
FILING DATE:
CLASSIFICATION: 435
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 609 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-222-619-3

Query Match 100.0%; Score 64; DB 1; Length 609;
Best Local Similarity 100.0%; Pred. No. 0.00051;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAREFK 12
Db 25 DAKSEVAREFK 36

RESULT 7
US-08-433-037-4
Sequence 4, Application US/08433037
Patent No. 5707828
GENERAL INFORMATION:

APPLICANT: Sreekrishna, Kotikanyadan
APPLICANT: Barr, Kathryn A.
APPLICANT: Brierley, Russell A.
APPLICANT: Thill, Gregory P.
TITLE OF INVENTION: Tschopp, Ueerg F.
TITLE OF INVENTION: EXPRESSION OF HUMAN SERUM ALBUMIN IN
TITLE OF INVENTION: PICHA PASTORIS
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City
STATE: New York
COUNTRY: U.S.A.
ZIP: 11530-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/433,037
FILING DATE: 03-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Digilio, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 91082
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 609 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-433-037-4

Query Match 100.0%; Score 64; DB 1; Length 609;
Best Local Similarity 100.0%; Pred. No. 0.00051;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 DAHKEVAHREF 12
DB 25 DAHKEVAHREF 36
US-08-897-956A-2
RESULT 8
Sequence 2, Application US/08897956A
Patent No. 6423512
GENERAL INFORMATION:
APPLICANT: Mary Ellen Digan
APPLICANT: Philip Lake
APPLICANT: Hermann Gram
TITLE OF INVENTION: Fusion Polypeptides
FILE REFERENCE: 600-7244/CPA
CURRENT APPLICATION NUMBER: US/08/897,956A
CURRENT FILING DATE: 1997-07-21
PRIOR APPLICATION NUMBER: 60/022,689
PRIOR FILING DATE: 1996-07-26
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 609
TYPE: PRT
ORGANISM: Homo Sapiens
US-08-897-956A-2
Query Match 100.0%; Score 64; DB 4; Length 609;
Best Local Similarity 100.0%; Pred. No. 0.00051;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 DAHKEVAHREF 12
DB 25 DAHKEVAHREF 36
PCT-US95-04075-3
RESULT 9
Sequence 3, Application PC/TUS9504075
GENERAL INFORMATION:
APPLICANT: AMGEN INC.
TITLE OF INVENTION: Afamin: A Human Serum Albumin-Like
TITLE OF INVENTION: Protein
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Center, Patent Operations/RRC
STREET: 1640 DeHavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: U.S.
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04075
FILING DATE:
CLASSIFICATION:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 609 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
PCT-US95-04075-3

Query Match 100.0%; Score 64; DB 5; Length 609;
Best Local Similarity 100.0%; Pred. No. 0.00051;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 DAHKEVAHREF 12
DB 25 DAHKEVAHREF 36
US-08-797-689-2
RESULT 10
Sequence 2, Application US/08797689
Patent No. 5876969
GENERAL INFORMATION:
APPLICANT: Fleer, Reinhard
APPLICANT: Fournier, Alain
APPLICANT: Guitton, Jean-Dominique
APPLICANT: Jung, Gerard
TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
TITLE OF INVENTION: PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
TITLE OF INVENTION: CONTINUING SAID POLYPEPTIDES
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh

OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.1 (Patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/797,689
FILING DATE: 31-JAN-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/256,927
FILING DATE: 28-JUL-1994
APPLICATION NUMBER: FR 92/01064
FILING DATE: 31-JAN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 610 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-797-689-2

Query Match 100.0%; Score 64; DB 2; Length 610;
Best Local Similarity 100.0%; Pred. No. 0.00051;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREF 12
DB 25 DAKSEVAHREF 36

RESULT 11
US-08-256-938-2
Sequence 2, Application US/08256938
Patent No. 5665863
GENERAL INFORMATION:
APPLICANT: Yeh, Patrice
TITLE OF INVENTION: NEW POLYPEPTIDES HAVING GRANULOCYTE
TITLE OF INVENTION: COLONY STIMULATING ACTIVITY, PREPARATION THEREOF AND
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING SAID POLYPEPTIDES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.0 (Patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,938
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 92/01065
FILING DATE: 31-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Goodman, Rosanne
REGISTRATION NUMBER: 32,534
REFERENCE/DOCKET NUMBER: ST92007-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3817

TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 783 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-256-938-2

Query Match 100.0%; Score 64; DB 1; Length 783;
Best Local Similarity 100.0%; Pred. No. 0.00067;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREF 12
DB 25 DAKSEVAHREF 36

RESULT 12
US-08-256-938-4
Sequence 4, Application US/08256938
Patent No. 5665863
GENERAL INFORMATION:
APPLICANT: Yeh, Patrice
TITLE OF INVENTION: NEW POLYPEPTIDES HAVING GRANULOCYTE
TITLE OF INVENTION: COLONY STIMULATING ACTIVITY, PREPARATION THEREOF AND
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING SAID POLYPEPTIDES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.0 (Patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,938
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 92/01065
FILING DATE: 31-JAN-1992
ATTORNEY/AGENT INFORMATION:
NAME: Goodman, Rosanne
REGISTRATION NUMBER: 32,534
REFERENCE/DOCKET NUMBER: ST92007-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3817
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 787 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-256-938-4

Query Match 100.0%; Score 64; DB 1; Length 787;
Best Local Similarity 100.0%; Pred. No. 0.00067;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREF 12
DB 203 DAKSEVAHREF 214

RESULT 13
US-08-797-689-16

; Sequence 16, Application US/08797689
; Patent No. 5876969
; GENERAL INFORMATION:
; APPLICANT: Fleer, Reinhard
; APPLICANT: Fourtner, Alain
; APPLICANT: Guitton, Jean-Dominique
; APPLICANT: Jung, Gerard
; APPLICANT: Yeh, Patrice
; TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES
; TITLE OF INVENTION: PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
; CONTAINING SAID POLYPEPTIDES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Road, 3643
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Macintosh
; OPERATING SYSTEM: System 7.1
; SOFTWARE: Word 5.1 (PatentIn)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/797,689
; FILING DATE: 31-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/256,927
; FILING DATE: 28-JUL-1994
; APPLICATION NUMBER: FR 92/01064
; FILING DATE: 31-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/00085
; FILING DATE: 28-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: P-38,619
; REFERENCE/DOCKET NUMBER: ST92006-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610) 454-3839
; TELEFAX: (610) 454-3808
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 787 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; 8-797-689-16

Query Match 100.0%; Score 64; DB 2; Length 787;
Best Local Similarity 100.0%; Pred. No. 0.00067;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAFHFK 12
Db 203 DAKSEVAFHFK 214

RESULT 14
US-08-897-956A-3
; Sequence 3, Application US/08897956A
; Patent No. 6423512
; GENERAL INFORMATION:
; APPLICANT: Mary Ellen Digan
; APPLICANT: Philip Lake
; APPLICANT: Hermann Gram
; TITLE OF INVENTION: Fusion Polypeptides
; FILE REFERENCE: 600-7244/CPA
; CURRENT APPLICATION NUMBER: US/08/897,956A
; CURRENT FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/022,689

; PRIOR FILING DATE: 1996-07-26
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 978
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion polypeptide
US-08-897-956A-3

Query Match 100.0%; Score 64; DB 4; Length 978;
Best Local Similarity 100.0%; Pred. No. 0.00085;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAFHFK 12
Db 212 DAKSEVAFHFK 223

RESULT 15
US-08-134-638-1
; Sequence 1, Application US/08134638
; Patent No. 5473050
; GENERAL INFORMATION:
; APPLICANT: Strand, Frederick T
; TITLE OF INVENTION: Denatured Bovine Serum Albumin Milk
; TITLE OF INVENTION: Products and Method Therefor
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Frederick T. Strand
; STREET: P.O. Box 64321
; CITY: Phoenix
; STATE: Arizona
; COUNTRY: USA
; ZIP: 85082-4321
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 1.2 Mb storage
; COMPUTER: IBM PC
; OPERATING SYSTEM: MS-DOS 5.0
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/134,638
; FILING DATE: 10/12/93
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: N/A
; FILING DATE: N/A
; ATTORNEY/AGENT INFORMATION:
; NAME: Weisb, Harry M
; REGISTRATION NUMBER: 19,497
; REFERENCE/DOCKET NUMBER: 1795P1423
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (602) 994-8888
; TELEFAX: (602) 947-2663
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 582
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-134-638-1

Query Match 92.2%; Score 59; DB 1; Length 582;
Best Local Similarity 83.3%; Pred. No. 0.004;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DAKSEVAFHFK 12
Db 1 DTHKSEIAHFK 12

RESULT 16

US-08-448-196A-4
; Sequence 4, Application US/08448196A
; Patent No. 578594
; GENERAL INFORMATION:
; APPLICANT: CARTER, DANIEL C.
; TITLE OF INVENTION: BIOLOGICALLY ACTIVE PROTEIN FRAGMENTS
; TITLE OF INVENTION: CONTAINING SPECIFIC BINDING REGIONS OF SERUM ALBUMIN OR
; TITLE OF INVENTION: RELATED PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NASA
; STREET: MARSHALL SPACE FLIGHT CENTER
; CITY: HUNTSVILLE
; STATE: ALABAMA
; COUNTRY: USA
; ZIP: 35812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/448,196A
; FILING DATE: 23-MAY-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: BROAD JR., ROBERT L.
; REGISTRATION NUMBER: 18,757
; REFERENCE/DOCKET NUMBER: XX/MFS-28402-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 205-544-0021
; TELEFAX: 205-544-0258
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 583 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; US-08-448-196A-4

Query Match 92.2%; Score 59; DB 1; Length 583;
Best Local Similarity 83.3%; Pred. No. 0.004;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

1 DAKSEVAREFK 12
|||||
1 DTHKSEIAREFK 12

RESULT 17
US-08-448-196A-7
; Sequence 7, Application US/08448196A
; Patent No. 5780594
; GENERAL INFORMATION:
; APPLICANT: CARTER, DANIEL C.
; TITLE OF INVENTION: BIOLOGICALLY ACTIVE PROTEIN FRAGMENTS
; TITLE OF INVENTION: CONTAINING SPECIFIC BINDING REGIONS OF SERUM ALBUMIN OR
; TITLE OF INVENTION: RELATED PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NASA
; STREET: MARSHALL SPACE FLIGHT CENTER
; CITY: HUNTSVILLE
; STATE: ALABAMA
; COUNTRY: USA
; ZIP: 35812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/448,196A
; FILING DATE: 23-MAY-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: BROAD JR., ROBERT L.
; REGISTRATION NUMBER: 18,757
; REFERENCE/DOCKET NUMBER: XX/MFS-28402-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 205-544-0021
; TELEFAX: 205-544-0258
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 584 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; US-08-448-196A-7

Query Match 92.2%; Score 59; DB 1; Length 584;
Best Local Similarity 83.3%; Pred. No. 0.004;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

1 DAKSEVAREFK 12
|||||
1 DAKSEIAREFK 12

RESULT 18
US-08-803-364-7
; Sequence 7, Application US/08803364
; Patent No. 5864014
; GENERAL INFORMATION:
; APPLICANT: FASANO, Alessio
; TITLE OF INVENTION: ZONULA OCCUDENS TOXIN RECEPTOR
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
; STREET: 2100 Pennsylvania Avenue, N.W., Suite 800
; CITY: Washington, D.C.
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/803,364
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/_____
; FILING DATE: 20 FEB 1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: KIT, Gordon
; REGISTRATION NUMBER: 30,764
; REFERENCE/DOCKET NUMBER: A-6888
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 293-7060
; TELEFAX: (202) 293-7660
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

/ HYPOTHETICAL: NO
/ US-08-803-364-7

Query Match 90.6%; Score 58; DB 2; Length 13;
Best Local Similarity 100.0%; Pred. No. 9.5e-05;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 AHKSEVAHREF 12
DB 1 AHKSEVAHREF 11

RESULT 19

US-09-024-198-13
/ Sequence 13, Application US/09024198
/ Patent No. 5912323
/ GENERAL INFORMATION:
/ APPLICANT: FASANO, Alessio
/ TITLE OF INVENTION: ZONULA OCCLUDENS TOXIN RECEPTOR
/ NUMBER OF SEQUENCES: 18
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SENS
/ STREET: 2100 Pennsylvania Avenue, N.W., Suite 800
/ CITY: Washington, D.C.
/ STATE: D.C.
/ COUNTRY: U.S.A.
/ ZIP: 20037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,198
FILING DATE: 17 FEB 1998

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/803,364
FILING DATE: 20 FEB 1997

ATTORNEY/AGENT INFORMATION:

NAME: KIT, Gordon
REGISTRATION NUMBER: 30,764
REFERENCE/DOCKET NUMBER: A-6988
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 13 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ HYPOTHETICAL: NO
/ US-09-024-198-13

Query Match 90.6%; Score 58; DB 2; Length 13;
Best Local Similarity 100.0%; Pred. No. 9.5e-05;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 AHKSEVAHREF 12
DB 1 AHKSEVAHREF 11

RESULT 20

US-09-186-409-13
/ Sequence 13, Application US/09186409
/ Patent No. 5948629
/ GENERAL INFORMATION:
/ APPLICANT: FASANO, Alessio
/ TITLE OF INVENTION: ZONULA OCCLUDENS TOXIN RECEPTOR
/ NUMBER OF SEQUENCES: 18

CORRESPONDENCE ADDRESS:

ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SENS
/ STREET: 2100 Pennsylvania Avenue, N.W., Suite 800
/ CITY: Washington, D.C.
/ STATE: D.C.
/ COUNTRY: U.S.A.
/ ZIP: 20037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/186,409
FILING DATE: 5 NOV 1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/024,198
FILING DATE: 17 FEB 1998

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/803,364
FILING DATE: 20 FEB 1997

ATTORNEY/AGENT INFORMATION:

NAME: KIT, Gordon
REGISTRATION NUMBER: 30,764
REFERENCE/DOCKET NUMBER: A-7306
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 13 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ HYPOTHETICAL: NO
/ US-09-186-409-13

Query Match 90.6%; Score 58; DB 2; Length 13;
Best Local Similarity 100.0%; Pred. No. 9.5e-05;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 AHKSEVAHREF 12
DB 1 AHKSEVAHREF 11

RESULT 21

US-08-448-196A-5
/ Sequence 5, Application US/08448196A
/ Patent No. 5780594
/ GENERAL INFORMATION:
/ APPLICANT: CARTER, DANIEL C.
/ TITLE OF INVENTION: BIOLOGICALLY ACTIVE PROTEIN FRAGMENTS
/ TITLE OF INVENTION: CONTAINING SPECIFIC BINDING REGIONS OF SERUM ALBUMIN OR
/ NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:
/ ADDRESSEE: NASA
/ STREET: MARSHALL SPACE FLIGHT CENTER
/ CITY: HUNTSVILLE
/ STATE: ALABAMA
/ COUNTRY: USA
/ ZIP: 35812

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/448,196A

FILING DATE: 23-MAY-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: BROAD JR., ROBERT L.
REGISTRATION NUMBER: 18,757
REFERENCE/DOCKET NUMBER: XX/MFS-28402-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 205-544-0021
TELEFAX: 205-544-0258
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 583 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
US-08-448-196A-5

Query Match 84.4%; Score 54; DB 1; Length 583;
Best Local Similarity 81.8%; Pred. No. 0.033;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DAKSEVARRF 11
DB 1 DTHKSEIARRF 11

RESULT 22
US-08-448-196A-6
Sequence 6, Application US/08448196A
Patent No. 5780594
GENERAL INFORMATION:
APPLICANT: CARTER, DANIEL C.
TITLE OF INVENTION: BIOLOGICALLY ACTIVE PROTEIN FRAGMENTS
CONTAINING SPECIFIC BINDING REGIONS OF SERUM ALBUMIN OR
TITLE OF INVENTION: RELATED PROTEINS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: NASA
STREET: MARSHALL SPACE FLIGHT CENTER
CITY: HUNTSVILLE
STATE: ALABAMA
COUNTRY: USA
ZIP: 35812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/448,196A
FILING DATE: 23-MAY-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: BROAD JR., ROBERT L.
REGISTRATION NUMBER: 18,757
REFERENCE/DOCKET NUMBER: XX/MFS-28402-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 205-544-0021
TELEFAX: 205-544-0258
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 583 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
US-08-448-196A-6

Query Match 84.4%; Score 54; DB 1; Length 583;
Best Local Similarity 81.8%; Pred. No. 0.033;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DAKSEVARRF 11
DB 1 DTHKSEIARRF 11

RESULT 23
US-08-803-364-6
Sequence 6, Application US/08803364
Patent No. 5864014
GENERAL INFORMATION:
APPLICANT: PASANO, Alessio
TITLE OF INVENTION: ZONULA OCCUDENS TOXIN RECEPTOR
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
STREET: 2100 Pennsylvania Avenue, N.W., Suite 800
CITY: Washington, D.C.
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,364
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/_____
FILING DATE: 20 FEB 1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KIT, Gordon
REGISTRATION NUMBER: 30,764
REFERENCE/DOCKET NUMBER: A-6888
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
US-08-803-364-6

Query Match 78.1%; Score 50; DB 2; Length 13;
Best Local Similarity 90.0%; Pred. No. 0.0028;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 HKSEVARRF 12
DB 2 HKSEVARRF 11

RESULT 24
US-09-024-198-12
Sequence 12, Application US/09024198
Patent No. 5912323
GENERAL INFORMATION:
APPLICANT: PASANO, Alessio
TITLE OF INVENTION: ZONULA OCCUDENS TOXIN RECEPTOR
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
STREET: 2100 Pennsylvania Avenue, N.W., Suite 800

CITY: Washington, D.C.
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,198
FILING DATE: 17 FEB 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/803,364
FILING DATE: 20 FEB 1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KIT, Gordon
REGISTRATION NUMBER: 30,764
REFERENCE/DOCKET NUMBER: A-6988
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
US-09-024-198-12

Query Match 78.1%; Score 50; DB 2; Length 13;
Best Local Similarity 90.0%; Pred. No. 0.0028; 1; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 3 HKSEVAHRFK 12
DB 2 HKSEVAHRFK 11

RESULT 25
US-09-186-409-12
Sequence 12, Application US/09186409
Patent No. 5948629
GENERAL INFORMATION:
APPLICANT: FASANO, Alessio
TITLE OF INVENTION: ZONULA OCCUDENS TOXIN RECEPTOR
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
STREET: 2100 Pennsylvania Avenue, N.W., Suite 800
CITY: Washington, D.C.
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/186,409
FILING DATE: 5 NOV 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/024,198
FILING DATE: 17 FEB 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/803,364
FILING DATE: 20 FEB 1997

CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KIT, Gordon
REGISTRATION NUMBER: 30,764
REFERENCE/DOCKET NUMBER: A-7306
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
US-09-186-409-12

Query Match 78.1%; Score 50; DB 2; Length 13;
Best Local Similarity 90.0%; Pred. No. 0.0028; 1; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 3 HKSEVAHRFK 12
DB 2 HKSEVAHRFK 11

RESULT 26
US-08-803-364-1
Sequence 1, Application US/08803364
Patent No. 5864014
GENERAL INFORMATION:
APPLICANT: FASANO, Alessio
TITLE OF INVENTION: ZONULA OCCUDENS TOXIN RECEPTOR
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
STREET: 2100 Pennsylvania Avenue, N.W., Suite 800
CITY: Washington, D.C.
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,364
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/-----
FILING DATE: 20 FEB 1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KIT, Gordon
REGISTRATION NUMBER: 30,764
REFERENCE/DOCKET NUMBER: A-6888
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
US-08-803-364-1

Query Match 78.1%; Score 50; DB 2; Length 16;
Best Local Similarity 90.0%; Pred. No. 0.0035; 1; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 HKSEVAHRFK 12
Db 3 HKSEVAHRFK 12

RESULT 27

US-09-024-198-10
; Sequence 10, Application US/09024198
; Patent No. 5913323
GENERAL INFORMATION:
APPLICANT: PASANO, Alessio
TITLE OF INVENTION: ZONULA OCCUDENS TOXIN RECEPTOR
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
STREET: 2100 Pennsylvania Avenue, N.W., Suite 800
CITY: Washington, D.C.
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,198
FILING DATE: 17 FEB 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/803,364
FILING DATE: 20 FEB 1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KIT, Gordon
REGISTRATION NUMBER: 30,764
REFERENCE/DOCKET NUMBER: A-6988
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
US-09-024-198-10

Query Match 78.1%; Score 50; DB 2; Length 16;
Best Local Similarity 90.0%; Pred. No. 0.0035;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 HKSEVAHRFK 12
Db 3 HKSEVAHRFK 12

RESULT 28

US-09-186-409-10
; Sequence 10, Application US/09186409
; Patent No. 5948629
GENERAL INFORMATION:
APPLICANT: PASANO, Alessio
TITLE OF INVENTION: ZONULA OCCUDENS TOXIN RECEPTOR
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
STREET: 2100 Pennsylvania Avenue, N.W., Suite 800
CITY: Washington, D.C.
STATE: D.C.
COUNTRY: U.S.A.

ZIP: 20037
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/186,409
FILING DATE: 5 NOV 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/024,198
FILING DATE: 17 FEB 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/803,364
FILING DATE: 20 FEB 1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KIT, Gordon
REGISTRATION NUMBER: 30,764
REFERENCE/DOCKET NUMBER: A-7306
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
US-09-186-409-10

Query Match 78.1%; Score 50; DB 2; Length 16;
Best Local Similarity 90.0%; Pred. No. 0.0035;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 3 HKSEVAHRFK 12
Db 3 HKSEVAHRFK 12

RESULT 29

US-08-041-774-1
; Sequence 1, Application US/08041774
; Patent No. 5550114
GENERAL INFORMATION:
APPLICANT: Strayer, David S.
TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR INHIBITOR
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESSES:
ADDRESSEE: COOPER & DUNHAM
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/041,774
FILING DATE: 19930402
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Zivin, No. 5550114man H.
REGISTRATION NUMBER: 25,385
REFERENCE/DOCKET NUMBER: 2560/42559
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 977-9550

TELEFAX: (212) 977-9809
TELEX: 422523 COOP UI
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: Internal
US-08-041-774-1

Query Match 75.0%; Score 48; DB 1; Length 10;
Best Local Similarity 80.0%; Pred. No. 0.0048;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DAKHSEVAHR 10
1 DTHKSEIHR 10

RESULT 30
US-08-530-340-7
Sequence 7, Application US/08530340A
Patent No. 6255452
GENERAL INFORMATION:
APPLICANT: Strayer, David S
TITLE OF INVENTION: Epidermal Growth Factor Inhibitor
FILE REFERENCE: JEFF-0226
CURRENT APPLICATION NUMBER: US/08/530,340A
CURRENT FILING DATE: 1995-12-22
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 7
LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: An epidermal
OTHER INFORMATION: growth factor inhibitor peptide
US-08-530-340-7

Query Match 75.0%; Score 48; DB 4; Length 10;
Best Local Similarity 80.0%; Pred. No. 0.0048;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

1 DAKHSEVAHR 10
1 DTHKSEIHR 10

RESULT 31
US-08-469-856-9
Sequence 9, Application US/08469856
Patent No. 5650307
GENERAL INFORMATION:
APPLICANT: Simons, Peter C.
APPLICANT: Hoekema, Andreas
APPLICANT: Dekker, Bernardus M.M.
APPLICANT: Schrammeijer, Barbara
APPLICANT: Verwoerd, Tewis C.
APPLICANT: Vandenberg, Petrus J.M.
TITLE OF INVENTION: PRODUCTION OF HETEROLOGOUS PROTEINS IN
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, Ste. 5500
CITY: Washington
STATE: DC
COUNTRY: USA

ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,856
FILING DATE: 06-JUN-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: MORASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 6192-0025.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
TELEX: 90-4030 MRSNFOERSWSH
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-469-856-9

Query Match 75.0%; Score 48; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 0.0054;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKHSEVAH 9
3 DAKHSEVAH 11

RESULT 32
US-07-727-814B-2
Sequence 2, Application US/07727814B
Patent No. 5213969
GENERAL INFORMATION:
APPLICANT: SCHUDACHER, Gunther
APPLICANT: BURISCHER, Helmut
APPLICANT: MOLLERING, Hans
TITLE OF INVENTION: CLONED N-METHYLAHYDANTOINASE
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Armstrong, Nikaido, Marmelstein, Kudovcik &
ADDRESS: Murray
STREET: 1725 K Street, N.W., Suite 1000
CITY: Washington D.C.
COUNTRY: United States of America
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/727,814B
FILING DATE: 19910708
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE P 4021571.7
FILING DATE: 06-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: Murray, Robert B.
REGISTRATION NUMBER: 22,980
REFERENCE/DOCKET NUMBER: 911014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2930
TELEFAX: (202) 887-0357
TELEX: 440142
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 1288 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-727-814B-2

Query Match 67.2%; Score 43; DB 1; Length 1288;
Best Local Similarity 66.7%; Pred. No. 8.2;
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 DAKSEVARRFK 12
DB 577 DAKSEVARRFK 588

RESULT 33
US-08-258-614-2
Sequence 2, Application US/08258614
Patent No. 5432070
GENERAL INFORMATION:
APPLICANT: SCHUMACHER, Gunther
APPLICANT: BURTSCHER, Helmut
APPLICANT: MOLLERLING, Hans
TITLE OF INVENTION: CLONED N-METHYLMYDANTOINASE
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nikaido, Marmelstein, Murray & Oram
STREET: 655 Fifteenth Street N.W. Suite 330
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-5701
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/258.614
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/021.856
FILING DATE: 24-FEB-1993
PRIOR APPLICATION DATA: DE P 40 21 571.7
FILING DATE: 06-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/727.814
FILING DATE: 08-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kites, Monica C.
REGISTRATION NUMBER: 36,105
REFERENCE/DOCKET NUMBER: P564-3007
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)638-5000
TELEFAX: (202)638-4810
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1288 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-258-614-2

Query Match 67.2%; Score 43; DB 1; Length 1288;
Best Local Similarity 66.7%; Pred. No. 8.2;
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 DAKSEVARRFK 12
DB 577 DAKSEVARRFK 588

RESULT 34
US-09-165-926-2
Sequence 2, Application US/09165926
Patent No. 6461875
GENERAL INFORMATION:
APPLICANT: Bar-Or, David
APPLICANT: Lau, Edward
APPLICANT: Winkler, James V.
TITLE OF INVENTION: Test for Rapid Evaluation of Ischemic States and Kit
FILE REFERENCE: IS035269-183796
CURRENT APPLICATION NUMBER: US/09/165.926
CURRENT FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 8
TYPE: PRT
ORGANISM: Homo sapiens
US-09-165-926-2

Query Match 62.5%; Score 40; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.9e+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVA 8
DB 1 DAKSEVA 8

RESULT 35
US-09-171-461-28
Sequence 28, Application US/09171461
Patent No. 6335016
GENERAL INFORMATION:
APPLICANT: Baker, Adam
APPLICANT: Cotten, Matthew
APPLICANT: Chiocca, Susanna
APPLICANT: Kurzbauer, Robert
APPLICANT: Schaffner, Gotthold
TITLE OF INVENTION: Chicken Embryo Lethal Orphan (CELO) Virus
FILE REFERENCE: 0652.1800000
CURRENT APPLICATION NUMBER: US/09/171.461
CURRENT FILING DATE: 1999-01-12
EARLIER APPLICATION NUMBER: PCT/EP97/01944
EARLIER FILING DATE: 1997-04-18
NUMBER OF SEQ ID NOS: 54
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 1121
TYPE: PRT
ORGANISM: CELO VIRUS
FEATURE:
OTHER INFORMATION: Position: 6501..9866/Product: E2b pol
US-09-171-461-28

Query Match 62.5%; Score 40; DB 4; Length 1121;
Best Local Similarity 58.3%; Pred. No. 25;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 DAKSEVARRFK 12
DB 132 DSHPEVARRFR 143

RESULT 36
US-08-738-168B-15
Sequence 15, Application US/08738168B
Patent No. 6132988
GENERAL INFORMATION:
APPLICANT: Sugino, Hiromu
APPLICANT: Nakamura, Takaoori

APPLICANT: Shouji, Hiroki
TITLE OF INVENTION: NEURONAL CELL-SPECIFIC RECEPTOR PROTEIN
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/738,168B
FILING DATE: 25-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 280939/1995
FILING DATE: 27-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 174909/1996
FILING DATE: 04-JUL-1996
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 342/46901
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 514 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-738-168B-15

Query Match 59.4%; Score 38; DB 4; Length 514;
Best Local Similarity 70.0%; Pred. No. 25;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 DAKSEVAHR 10
DB 313 DGHKPAVAHR 322

RESULT 37
US-134-001C-5307
Sequence 5307, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
PRIOR FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 5307
LENGTH: 80
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5307

Query Match 56.2%; Score 36; DB 4; Length 80;
Best Local Similarity 60.0%; Pred. No. 7.5;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 3 HKSEVAHRFK 12
DB 14 NKKEIAHRIK 23

RESULT 38
US-08-357-533A-11
Sequence 11, Application US/08357533A
Patent No. 5831050
GENERAL INFORMATION:
APPLICANT: JIN, DONALD F
APPLICANT: OPPERMAN, HERMANN
APPLICANT: KUBERASAMPATH, THANGAVEL
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
INC
STREET: 45 SOUTH STREET
CITY: HOPKINTON
STATE: MA
COUNTRY: USA
ZIP: 01748
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/357,533A
FILING DATE: 16-DEC-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-073FW
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)-435-9001
TELEFAX: (508)-435-0992
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..513
OTHER INFORMATION: /note="RAT ACTIVIN TYPE II
US-08-357-533A-11

Query Match 53.9%; Score 34.5; DB 2; Length 513;
Best Local Similarity 53.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 1 DAKSEVAHR-FK 12
DB 312 BGHKPSIAHRDFK 324

RESULT 39
US-08-459-009-11
Sequence 11, Application US/08459009
Patent No. 5861479
GENERAL INFORMATION:
APPLICANT: JIN, DONALD F
APPLICANT: OPPERMAN, HERMANN
APPLICANT: KUBERASAMPATH, THANGAVEL
APPLICANT: SMART, JOHN E

TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
STREET: 45 SOUTH STREET
CITY: HOPKINTON
STATE: MA
COUNTRY: USA
ZIP: 01748
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,009
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/357,533
FILING DATE: 16-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-073FW
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)-435-9001
TELEFAX: (508)-435-0992
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..513
OTHER INFORMATION: /note="RAT ACTIVIN TYPE II"
US-08-459-009-11

Query Match 53.9%; Score 34.5; DB 2; Length 513;
Best Local Similarity 53.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

1 DAKSEVAHR-FX 12
DB 312 EGHKPSIAHRDFX 324

RESULT 40
US-08-459-951-11
Sequence 11, Application US/08459951
Patent No. 6093547
GENERAL INFORMATION:
APPLICANT: JIN, DONALD F
APPLICANT: OPPERMAN, HERMANN
APPLICANT: KUBERASAMPATH, THANGAVEL
APPLICANT: SMART, JOHN E
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
STREET: 45 SOUTH STREET
CITY: HOPKINTON
STATE: MA
COUNTRY: USA
ZIP: 01748
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,951
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/357,533
FILING DATE: 16-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-073FW
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)-435-9001
TELEFAX: (508)-435-0992
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..513
OTHER INFORMATION: /note="RAT ACTIVIN TYPE II"
US-08-459-951-11

Query Match 53.9%; Score 34.5; DB 3; Length 513;
Best Local Similarity 53.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

1 DAKSEVAHR-FX 12
DB 312 EGHKPSIAHRDFX 324

RESULT 41
US-08-357-533A-12
Sequence 12, Application US/08357533A
Patent No. 5831050
GENERAL INFORMATION:
APPLICANT: JIN, DONALD F
APPLICANT: OPPERMAN, HERMANN
APPLICANT: KUBERASAMPATH, THANGAVEL
APPLICANT: SMART, JOHN E
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
STREET: 45 SOUTH STREET
CITY: HOPKINTON
STATE: MA
COUNTRY: USA
ZIP: 01748
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/357,533A
FILING DATE: 16-DEC-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-073FW
TELECOMMUNICATION INFORMATION:

TELEPHONE: (508)-435-9001
TELEFAX: (508)-435-0992
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 536 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..536
OTHER INFORMATION: /note="HUMAN ACTIVIN TYPE II"
OTHER INFORMATION: RECEPTOR"
US-08-357-533A-12

Query Match 53.9%; Score 34.5; DB 2; Length 536;
Best Local Similarity 53.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

1 DAKSEVAHR-FK 12
Db 335 EGHKPSIAHRDFK 347

RESULT 42
US-08-459-009-12
Sequence 12, Application US/08459009
Patent No. 5861479
GENERAL INFORMATION:
APPLICANT: JIN, DONALD F
APPLICANT: OPPERMAN, HERMANN
APPLICANT: KUBERASAMPATH, THANGAVEL
APPLICANT: SMART, JOHN E
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
STREET: 45 SOUTH STREET
CITY: HOPKINTON
STATE: MA
COUNTRY: USA
ZIP: 01748
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,009
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/357,533
FILING DATE: 16-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-073FW
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)-435-9001
TELEFAX: (508)-435-0992
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 536 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..536

OTHER INFORMATION: /note="HUMAN ACTIVIN TYPE II"
OTHER INFORMATION: RECEPTOR"
US-08-459-009-12

Query Match 53.9%; Score 34.5; DB 2; Length 536;
Best Local Similarity 53.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

1 DAKSEVAHR-FK 12
Db 335 EGHKPSIAHRDFK 347

RESULT 43
US-08-459-951-12
Sequence 12, Application US/08459951
Patent No. 6093547
GENERAL INFORMATION:
APPLICANT: JIN, DONALD F
APPLICANT: OPPERMAN, HERMANN
APPLICANT: KUBERASAMPATH, THANGAVEL
APPLICANT: SMART, JOHN E
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
STREET: 45 SOUTH STREET
CITY: HOPKINTON
STATE: MA
COUNTRY: USA
ZIP: 01748
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,951
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/357,533
FILING DATE: 16-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-073FW
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)-435-9001
TELEFAX: (508)-435-0992
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 536 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..536
OTHER INFORMATION: /note="HUMAN ACTIVIN TYPE II"
OTHER INFORMATION: RECEPTOR"
US-08-459-951-12

Query Match 53.9%; Score 34.5; DB 3; Length 536;
Best Local Similarity 53.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

1 DAKSEVAHR-FK 12
Db 335 EGHKPSIAHRDFK 347

RESULT 44
US-08-586-039B-37
Sequence 37, Application US/08586039B
Patent No. 6140073
GENERAL INFORMATION:
APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
TITLE OF INVENTION: SUBUNIT
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039B
FILING DATE: 16-JAN-1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3905
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 138 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-586-039B-37
Query Match 53.1%; Score 34; DB 4; Length 138;
Best Local Similarity 54.5%; Pred. No. 32;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
QY 1 DAKSEVAHRF 11
DB 59 DEHPNEVSHIF 69
RESULT 45
US-08-586-039B-39
Sequence 39, Application US/08586039B
Patent No. 6140073
GENERAL INFORMATION:
APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
TITLE OF INVENTION: SUBUNIT
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: USA

ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039B
FILING DATE: 16-JAN-1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3905
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 138 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-586-039B-39
Query Match 53.1%; Score 34; DB 4; Length 138;
Best Local Similarity 54.5%; Pred. No. 37;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
QY 1 DAKSEVAHRF 11
DB 59 DEHPNEVSHIF 69
RESULT 46
US-09-173-300-34
Sequence 34, Application US/09173300
Patent No. 6451581
GENERAL INFORMATION:
APPLICANT: Falco, Saverio Carl
APPLICANT: Hiltz, William D.
APPLICANT: Kinney, Anthony J.
APPLICANT: Cahoon, Rebecca E.
APPLICANT: Rafalski, J. Antoni
TITLE OF INVENTION: PLANT BRANCHED CHAIN AMINO ACID BIOSYNTHETIC ENZYMES
FILE REFERENCE: BB-1126
CURRENT APPLICATION NUMBER: US/09/173,300
EARLIER FILING DATE: 1998-10-15
EARLIER APPLICATION NUMBER: 60/063,423
FILING DATE: 1997 October 28
NUMBER OF SEQ ID NOS: 54
SOFTWARE: Microsoft Word Version 7.0A
SEQ ID NO 34
LENGTH: 210
TYPE: PRT
ORGANISM: Escherichia coli
US-09-173-300-34
Query Match 53.1%; Score 34; DB 4; Length 210;
Best Local Similarity 60.0%; Pred. No. 50;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 1 DAKSEVAHR 10
DB 36 DSHKGVVHRH 45

RESULT 47
US-08-158-735A-12
Sequence 12, Application US/08158735A
Patent No. 6248554
GENERAL INFORMATION:
APPLICANT: COOK, JONATHAN S.
APPLICANT: CORREA, PAUL E.
APPLICANT: KOENIG, BETH B.
APPLICANT: ROSENBAUM, JAN S.
APPLICANT: TING, JERRY
TITLE OF INVENTION: DNA SEQUENCE CODING FOR A BMP RECEPTOR
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESSES:
ADDRESSEE: THE PROCTER & GAMBLE COMPANY
STREET: 11810 EAST MIAMI RIVER ROAD
CITY: ROSS
STATE: OH
COUNTRY: USA
ZIP: 45061
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/158,735A
FILING DATE: 24-NOV-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: CORSTANDE, BRAHM J.
REGISTRATION NUMBER: 34,804
REFERENCE/DOCKET NUMBER: 5088
TELEPHONE: (513) 627-2858
TELEFAX: (513) 627-0260
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 323 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-158-735A-12

Query Match 53.1%; Score 34; DB 4; Length 323;
Best Local Similarity 50.0%; Pred. No. 80;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

1 DAHKEVAHR 10
DB 122 DGHKPAISHR 131

RESULT 48
US-08-357-533A-10
Sequence 10, Application US/08357533A
Patent No. 5831050
GENERAL INFORMATION:
APPLICANT: JIN, DONALD F.
APPLICANT: OPPERMAN, HERMANN
APPLICANT: KUBERASAMPATH, THANGAVEL
APPLICANT: SMART, JOHN E.
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
ADDRESS: INC
STREET: 45 SOUTH STREET
CITY: HOPKINTON
STATE: MA
COUNTRY: USA
ZIP: 01748
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/357,533A
FILING DATE: 16-DEC-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-073FW
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)-435-9001
TELEFAX: (508)-435-0992
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..513
OTHER INFORMATION: /note= "MOUSE ACTIVIN RECEPTOR"
US-08-357-533A-10

Query Match 53.1%; Score 34; DB 2; Length 513;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

1 DAHKEVAHR 10
DB 312 DGHKPAISHR 321

RESULT 49
US-08-459-009-10
Sequence 10, Application US/08459009
Patent No. 5861479
GENERAL INFORMATION:
APPLICANT: JIN, DONALD F.
APPLICANT: OPPERMAN, HERMANN
APPLICANT: KUBERASAMPATH, THANGAVEL
APPLICANT: SMART, JOHN E.
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
ADDRESS: INC
STREET: 45 SOUTH STREET
CITY: HOPKINTON
STATE: MA
COUNTRY: USA
ZIP: 01748
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,009
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/357,533
FILING DATE: 16-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-073FW
TELECOMMUNICATION INFORMATION:

TELEPHONE: (508)-435-9001
TELEFAX: (508)-435-0992
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..513
OTHER INFORMATION: /note="MOUSE ACTIVIN RECEPTOR"
US-08-459-009-10

Query Match 53.1%; Score 34; DB 2; Length 513;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

1 DAKSEVAHR 10
Db 312 DGHKPAIRSHR 321

RESULT 50
US-08-300-584-2
Sequence 2, Application US/08300584
Patent No. 5885794
GENERAL INFORMATION:
APPLICANT: Mathews, Lawrence S.
APPLICANT: Vale, Wylie W.
TITLE OF INVENTION: CLONING AND RECOMBINANT PRODUCTION OF
TITLE OF INVENTION: RECEPTOR(S) OF THE ACTIVIN/TGF-BETA SUPERFAMILY
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/300,584
FILING DATE: 02-SEP-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/880,220
FILING DATE: 08-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/773,229
FILING DATE: 09-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/698,709
FILING DATE: 10-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9806
TELEPHONE: 619-546-1995
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-300-584-2

Query Match 53.1%; Score 34; DB 2; Length 513;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1 DAKSEVAHR 10
Db 312 DGHKPAIRSHR 321

Search completed: April 11, 2003, 15:20:06
Job time : 16 secs

GenCore version 5.1.4_P5_4578
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OM protein - protein search, using sw model

Run on: April 11, 2003, 15:16:26 ; Search time 15 Seconds

(without alignments)
76.908 Million cell updates/sec

Title: US-09-846-347-1

Perfect score: 64

Sequence: 1 DAHSEVAFK / 12

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 283224 seqs, 96134422 residues

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

1: PIR 73:*
2: PIR1:*
3: PIR3:*
4: PIR4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	64	100.0	609	1	ABHUS
2	60	93.8	600	2	A47391
3	59	92.2	607	1	ABHOS
4	59	92.2	608	1	ABHRS
5	54	84.4	607	1	ABSHS
6	54	84.4	609	2	ABHOS
7	53	82.8	605	1	ABPGS
8	50	78.1	608	2	ABPGS
9	46	71.9	30	2	B61511
10	45	70.3	24	2	S29749
11	45	70.3	615	1	ABCHS
12	39.5	61.7	201	2	E82910
13	38	59.4	93	2	AH2378
14	38	59.4	512	2	S21171
15	38	59.4	514	2	JO1317
16	37	57.8	489	2	AF3594
17	37	57.8	489	2	AF3594
18	36	56.2	67	2	T12251
19	36	56.2	117	2	T30740
20	36	56.2	153	2	F83532
21	36	56.2	198	2	B84870
22	36	56.2	212	2	T02868
23	36	56.2	265	2	B70379
24	36	56.2	391	2	T42407
25	36	56.2	407	2	A72691
26	36	56.2	719	2	S63392
27	36	56.2	1837	2	T16270
28	35	54.7	155	2	G69489
29	35	54.7	320	2	D96750

30	35	54.7	321	1	I64180	nifd protein - Hae
31	35	54.7	657	2	S43415	histidine ammonia-
32	35	54.7	657	2	A36087	histidine ammonia-
33	35	54.7	657	2	A46128	histidine ammonia-
34	35	54.7	672	2	H82143	methyl-accepting c
35	35	54.7	690	2	B42594	D-amino acid hydraz
36	35	54.7	749	2	T38327	hypothetical prote
37	35	54.7	969	2	T23256	hypothetical prote
38	35	54.7	2605	2	T18552	safamycin Mx1 syn
39	34.5	53.9	251	2	PC4261	activin type II re
40	34.5	53.9	382	2	B49193	type II activin re
41	34.5	53.9	498	2	S62626	protein disulfide-
42	34.5	53.9	504	2	B40829	activin receptor 1
43	34.5	53.9	512	2	D40829	activin receptor 1
44	34.5	53.9	512	2	I37134	activin type II re
45	34.5	53.9	513	2	JO1484	activin receptor p
46	34.5	53.9	528	2	C40829	activin receptor 1
47	34.5	53.9	536	2	A40829	activin receptor 1
48	34	53.1	138	2	C84068	polyribonucleotide
49	34	53.1	156	2	T49921	ribosomal protein-1
50	34	53.1	158	2	A56125	placental growth f
51	34	53.1	180	2	T44944	hypothetical prote
52	34	53.1	200	2	C81282	hypothetical prote
53	34	53.1	204	2	B72483	hypothetical prote
54	34	53.1	222	2	A97575	hypothetical prote
55	34	53.1	222	2	A12795	conserved hypochet
56	34	53.1	346	2	T45069	8-hydroxy-guanine
57	34	53.1	385	2	C82478	translacton elonga
58	34	53.1	395	2	T43890	translation elonga
59	34	53.1	395	2	T43892	translation elonga
60	34	53.1	461	2	D98156	probable glucose-6
61	34	53.1	461	2	AG3151	glucose 6-phosphat
62	34	53.1	478	1	T44751	IMP dehydrogenase
63	34	53.1	488	2	G65216	hypothetical 53.4
64	34	53.1	488	2	F91261	probable enzyme [i
65	34	53.1	488	2	B66102	probable enzyme [i
66	34	53.1	512	2	S73457	methionine-tRNA l1
67	34	53.1	513	1	JO1486	activin receptor 1
68	34	53.1	513	2	S23089	activin receptor 1
69	34	53.1	513	2	A39896	activin receptor p
70	34	53.1	513	2	A49193	type II activin re
71	34	53.1	513	2	G27258	activin receptor 1
72	34	53.1	513	2	T45850	activin receptor 1
73	34	53.1	520	1	O4BOM	cholesterol monoox
74	34	53.1	737	2	G82262	probable exopolysa
75	34	53.1	1033	2	F81595	hypothetical prote

ALIGNMENTS

RESULT 1
ABHUS
serum albumin precursor [validated] - human
N/Alternate names: preproalbumin
N/Contains: kinetensin
C/Species: Homo sapiens (man)
C/Date: 29-Jul-1981 #sequence revision 31-Jan-1997 #text change 17-Mar-2000
C/Accession: A93743; A93936; T59427; I59286; I59313; G01747; S53314; A81420; S06422; S366
R/Review: R.M.; Adelstein, J.; Bock, S.C.; Franke, A.E.; Houck, C.M.; Najarian, R.C.; Seeburg
Nucleic Acids Res. 9, 6103-6114, 1981
A/Title: The sequence of human serum albumin cDNA and its expression in Escherichia coli.
A/Reference number: A93743; MUID:82081882; PMID:6171778
A/Accession: A93743
A/Molecule type: mRNA
A/Residues: 1-419, 'K', 421-609 <LAW>
A/Cross-references: EMBL:V00495; GB:U00078; GB:L00132; GB:L00133; NID:928591; PIDN:CAA237;
R/Dugaiczyk, A.; Law, S.W.; Dennison, O.E.
Proc. Natl. Acad. Sci. U.S.A. 79, 71-75, 1982
A/Title: Nucleotide sequence and the encoded amino acids of human serum albumin mRNA.
A/Reference number: A93936; MUID:82105994; PMID:6275391
A/Accession: A93936
A/Molecule type: mRNA

- A/Residues: 1-120, 'G', 122-609 <DUG>
A/Cross-references: EMBL:V00494; NID:928589; PIDN:CAA23753.1; PID:928590
R/Urano, Y.; Matsubae, K.; Sakai, M.; Tamaoki, T.
J. Biol. Chem. 261, 3244-3251, 1986
A/Title: The human albumin gene. Characterization of the 5' and 3' flanking regions and
A/Reference number: 139427; MUID:86140099; PMID:2419329
A/Accession: 139427
A/Status: translation not shown
A/Molecule type: DNA
A/Residues: 1-26 <URA>
A/Cross-references: GB:M13075; NID:g178330; PIDN:AA5168.1; PID:9553173
R/Watkins, S.; Madison, J.; Galliano, M.; Minchiotti, L.; Putnam, F.W.
Proc. Natl. Acad. Sci. U.S.A. 91, 2275-2279, 1994
A/Title: A nucleotide insertion and frameshift cause analbuminemia in an Italian family.
A/Reference number: 159286; MUID:94181575; PMID:8134387
A/Accession: 159286
A/Status: translated from GB/EMBL/DD81
A/Molecule type: DNA
A/Residues: 282-290, 'KSRFDLQ' <MAT>
A/Cross-references: GB:569192; NID:9546032; PIDN:AA30282.1; PID:9546033
Proc. Natl. Acad. Sci. U.S.A. 91, 6476-6480, 1994
A/Title: Genetic variants of human serum albumin in Italy: point mutants and a carboxyl-
terminus deletion. J. Galliano, M.; Watkins, S.; Minchiotti, L.; Porta, F.; Rossi, A.; Putnam,
F.W.
Proc. Natl. Acad. Sci. U.S.A. 91, 6476-6480, 1994
A/Title: Genetic variants of human serum albumin in Italy: point mutants and a carboxyl-
terminus deletion. J. Galliano, M.; Watkins, S.; Minchiotti, L.; Porta, F.; Rossi, A.; Putnam,
F.W.
Proc. Natl. Acad. Sci. U.S.A. 91, 6476-6480, 1994
A/Reference number: 159313; MUID:94294404; PMID:8022807
A/Accession: 159313
A/Status: translated from GB/EMBL/DD81
A/Molecule type: DNA
A/Residues: 589-590, 'ALPRRVNLLQVLP' <MAD>
A/Cross-references: GB:570799; NID:9547231; PIDN:AA3117.1; PID:9547232
A/Note: this frame-shift variant is designated albumin Bazzano; four additional variants
R/Menaya, J.; Parrilla, R.; Ayuso, M.S.
submitted to the EMBL Data Library, March 1995
A/Reference number: G08292
A/Accession: G01747
A/Status: translated from GB/EMBL/DD81
A/Molecule type: mRNA
A/Residues: 1-120, 'G', 122-455 <MEN>
A/Cross-references: EMBL:U22961; NID:9763428; PIDN:AA64922.1; PID:9763431
R/Lodgey, E.C.; George, P.M.; Peach, R.J.; Brennan, S.O.
Biochem. J. 308, 321-325, 1995
A/Title: Endoproteolytic processing of recombinant proalbumin variants by the yeast Kex2
A/Reference number: S55314; MUID:95275251; PMID:7755581
A/Accession: S55314
A/Molecule type: protein
A/Residues: 19-27 <LRD>
R/Meloun, B.; Moravsek, L.; Kosicka, V.
FEBS Lett. 58, 134-137, 1975
A/Title: Complete amino acid sequence of human serum albumin.
A/Reference number: A91420; MUID:76187907; PMID:1225573
A/Accession: A91420
A/Molecule type: protein
A/Residues: 25-117, 'EQ', 120-154, 'Q', 156-193, 'E', 195-387, 'H', 389-390, 'Y', 392-393, 'A', 395-
R/Roehr, U.; Spilleiter, G.; Tripler, D.
J. Biol. Chem. 263, 881-884, 1988
A/Title: Isolation and structure elucidation of middle-molecular weight peptides from ur
A/Reference number: S06422
A/Note: this paper is in German, with an English abstract
A/Accession: S06422
A/Molecule type: protein
A/Residues: 25-48 <ROE>
R/Finch, J.W.; Crouch, R.K.; Knapp, D.R.; Schey, K.L.
Arch. Biochem. Biophys. 305, 595-599, 1993
A/Title: Mass spectrometric identification of modifications to human serum albumin treat
A/Reference number: S36882; MUID:93384321; PMID:8373198
A/Accession: S36882
A/Molecule type: protein
A/Residues: 45-67, 141-160, 311-337, 469-490, 570-581 <FIN>
R/Kausler, E.; Spilleiter, G.
J. Biol. Chem. Hoppe-Seyler 372, 849-855, 1991
A/Title: Bruchstuecke aus Albumin und beta(2)-Mikroglobulin - Bestandteile der Mitochond
A/Reference number: S17599; MUID:92126241; PMID:1772598
A/Accession: S17599
- A/Molecule type: protein
A/Residues: 25-54, 354-357, 431-447 <KAU>
A/Note: 49-Leu was also found
R/Carraway, R.E.; Cochran, D.E.; Boucher, W.; Mitra, S.P.
J. Immunol. 143, 1680-1684, 1989
A/Title: Structures of histamine-releasing peptides formed by the action of acid protease
A/Reference number: A45800; MUID:89341406; PMID:2474609
A/Accession: A45800
A/Molecule type: protein
A/Residues: 166-173 <CAR>
R/Mogard, M.H.; Kobayashi, R.; Chen, C.F.; Lee, T.D.; Reeve Jr., J.R.; Shively, J.E.; Ma
Biochem. Biophys. Res. Commun. 136, 983-988, 1986
A/Title: The amino acid sequence of human serum albumin, a novel peptide isolated from pepsin-tre
A/Reference number: A03239; MUID:86242180; PMID:3087352
A/Accession: A03239
A/Molecule type: protein
A/Residues: 166-173, 'U' <MOG>
R/Galliano, M.; Minchiotti, L.; Porta, F.; Rossi, A.; Ferri, G.; Madison, J.; Watkins, S.
Proc. Natl. Acad. Sci. U.S.A. 91, 8721-8725, 1994
A/Title: Mutations in genetic variants of human serum albumin found in Italy.
A/Reference number: A38255; MUID:91062352; PMID:2247440
A/Accession: C38255
A/Molecule type: protein
A/Residues: 76-111 <GAL1>
A/Accession: B38255
A/Molecule type: protein
A/Residues: 82-105, 'K', 107-110 <GAL2>
A/Note: this variant is designated albumin Vibo Valentia
A/Accession: A38255
A/Molecule type: protein
A/Residues: 255-263, 'E', 265-281 <MIN1>
A/Note: this variant is designated albumin Torino
R/Minchiotti, L.; Galliano, M.; Zapponi, M.C.; Tenni, R.
Eur. J. Biochem. 214, 437-444, 1993
A/Title: The structural characterization and bilinbin-binding properties of albumin Hext
A/Reference number: S33298; MUID:93292504; PMID:8513793
A/Accession: S33298
A/Molecule type: protein
A/Residues: 255-263, 'E', 265-281 <MIN1>
A/Note: this variant is designated albumin Herborn
R/Minchiotti, L.; Galliano, M.; Stoppini, M.; Ferri, G.; Crepeau, H.; Rochnu, D.; Porta,
Biochim. Biophys. Acta 1119, 23-28, 1992
A/Title: Two allolalbumins with identical electrophoretic mobility are produced by differ
A/Reference number: S21078; MUID:92190239; PMID:1347703
A/Accession: S21078
A/Molecule type: protein
A/Residues: 354-356, 'K', 358-378 <MIN2>
A/Note: this variant is designated albumin Sondrio; another variant Paris-2 is reported,
R/He, X.M.; Carter, D.C.
Nature 358, 209-215, 1992
A/Title: Atomic structure and chemistry of human serum albumin.
A/Reference number: A46756; MUID:92334427; PMID:1630489
R/Brown, J.R.; Shockley, P.; Behrens, P.O.
in The Chemistry and Physiology of the Human Plasma Proteins, Bing, D.H., ed., pp.23-40,
A/Reference number: A94442
A/Contents: annotation; three-dimensional structure and disulfide bonds
R/Saber, M.A.; Stockbauer, P.; Moravsek, L.; Meloun, B.
Collect. Czech. Chem. Commun. 42, 564-579, 1977
A/Title: Disulfide bonds in human serum albumin.
A/Reference number: A90930
A/Contents: annotation; disulfide bonds
R/Jacobsen, C.
Biochem. J. 171, 453-459, 1978
A/Title: Lysine residue 240 of human serum albumin is involved in high-affinity binding c
A/Reference number: A90299; MUID:78186630; PMID:656055
A/Contents: annotation; bilirubin-binding site
R/Peters, T.; Reed, R.G.
in Albumin: Structure, Biosynthesis, Function, Peters, J., and Sjolholm, I., eds., 11-20,
A/Reference number: A94408
A/Contents: annotation; binding sites
R/Harper, M.E.; Dugalczyk, A.

Am. J. Hum. Genet. 35, 565-572, 1983
 A>Title: Linkage of the evolutionarily-related serum albumin and alpha-fetoprotein genes
 A/Reference number: A90028; MIMD:83275982; PMID:6192711
 A/Contents: annotation; gene position
 R/Walker, J.E.
 FEBS Lett. 66, 173-175, 1976
 A>Title: Lysine residue 199 of human serum albumin is modified by acetylsalicylic acid.
 A/Reference number: A46755; MIMD:76257808; PMID:955075
 A/Contents: annotation
 A/Note: the nonenzymatic transfer of an acetyl group from aspirin (acetylsalicylic acid
 R/Bohney, J.P.; Fonda, M.L.; Feldhoff, R.C.
 FEBS Lett. 238, 266-268, 1992
 A>Title: Identification of Lys(199) as the primary binding site for pyridoxal 5'-phosphat
 A/Reference number: A56294; MIMD:92183881; PMID:1544460
 A/Contents: annotation
 A/Note: the nonenzymatic binding of pyridoxal phosphate to lysine-214 is described; in F
 atase activity
 C/Comment: Serum albumin, a predominant protein in the plasma of adults, is synthesized
 in the liver, protoporphyrin, long-chain fatty acids, prostaglandins, steroid hormones (weak
 C/Comment: A large number of variants of human serum albumin have been described.
 C/Keywords: albumin; GDB:118990; OMIM:103600
 A/Map position: 4q11-4q13
 A/Superfamily: serum albumin; serum albumin repeat homology
 F/118/Domain: signal sequence; duplication; metal binding; phosphoprotein; plasma; pyridox
 F/124/Domain: propeptide; status experimental <PRO>
 F/25-609/Product: serum albumin repeat experimental <MPR>
 F/29-202/Domain: serum albumin repeat homology <SA1>
 F/166-174/Product: kinetensin; status experimental <KIP>
 F/221-394/Domain: serum albumin repeat homology <SA2>
 F/413-592/Domain: serum albumin repeat homology <SA3>
 F/27/Binding site: copper (His) #status predicted
 F/77-86/99-115,114-125,148-193,192-201,224-270,269-277,289-303,302-313,340-385,384-393,4
 F/214/Binding site: pyridoxal phosphate (Lys) (covalent) #status experimental

Query Match 100.0%; Score 64; DB 1; Length 609;
 Best Local Similarity 100.0%; Pred. No. 0.00077;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREFK 12
 Db 25 DAKSEVAHREFK 36

RESULT 2
 A: albumin precursor - rhesus macaque
 C/Species: Macaca mulatta (rhesus macaque)
 C/Date: 21-Jan-1994 #sequence_revision 18-Nov-1994 #text_change 20-Aug-1999
 C/Accession: A47391
 R/Watkins, S.; Sakamoto, Y.; Madison, J.; Davis, E.; Smith, D.G.; Daulton, J.; Putnam, F.
 Proc. Natl. Acad. Sci. U.S.A. 90, 2409-2413, 1993
 A>Title: cDNA and protein sequence of polymorphic macaque albumins that differ in biliary
 A/Reference number: A47391; MIMD:9211971; PMID:8460152
 A/Contents: B/B homozygote
 A/Accession: A47391
 A/Status: preliminary
 A/Molecule type: mRNA; protein
 A/Residues: 1-600 <WAT>
 A/Cross-references: GB:M90463; NID:G342294; PIDN:AAA36906.1; PID:G342295
 A/Experimental source: liver
 A/Note: sequence extracted from NCBI backbone (NCBI:128280, NCBI:P128281)
 C/Superfamily: serum albumin; serum albumin repeat homology
 F/21-194/Domain: serum albumin repeat homology <SA1>
 F/213-386/Domain: serum albumin repeat homology <SA2>
 F/405-584/Domain: serum albumin repeat homology <SA3>

Query Match 93.8%; Score 60; DB 2; Length 600;
 Best Local Similarity 91.7%; Pred. No. 0.0041;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREFK 12
 Db 17 DTHKSEVAHREFK 28

RESULT 3
 ABBOS
 serum albumin precursor [validated] - bovine
 N/Alternate names: 67K protein; preproalbumin
 C/Species: Bos primigenius taurus (cattle)
 C/Date: 24-Apr-1984 #sequence_revision 30-Sep-1993 #text_change 18-Aug-2000
 C/Accession: A38885; A36401; A91258; B60808; S10780; D45800; A26693; A30309; A91458; A944
 R/Holowachuk, E.W.; Stoltenberg, J.K.; Reed, R.G.; Peters Jr., T.
 submitted to the EMBL Data Library, August 1991
 A/Description: Bovine serum albumin: cDNA sequence and expression.
 A/Reference number: A38885
 A/Accession: A38885
 A/Molecule type: mRNA
 A/Residues: 1-607 <HOL>
 A/Cross-references: EMBL:M73215
 R/Hirayama, K.; Akashi, S.; Furuya, M.; Fukuhara, K.
 Biochem. Biophys. Res. Commun. 173, 639-646, 1990
 A>Title: Rapid confirmation and revision of the primary structure of bovine serum albumin
 A/Reference number: A36401; MIMD:91083649; PMID:2260975
 A/Accession: A36401
 A/Molecule type: protein
 A/Residues: 25-41, 'H', 43-189, 'E', 191-213, 'T', 215-323, 'D', 325-393, 'TS', 396-607 <HIR>
 R/MacGillivray, R.T.A.; Chung, D.W.; Davie, E.W.
 Eur. J. Biochem. 98, 477-485, 1979
 A>Title: Biochemistry of bovine plasma proteins in a cell-free system.
 A/Reference number: A91258; MIMD:80024278; PMID:488109
 A/Accession: A91258
 A/Molecule type: protein
 A/Residues: 1-32 <MAG>
 R/Hsieh, J.C.; Lin, P.P.; Tam, M.F.
 Anal. Biochem. 170, 1-8, 1988
 A>Title: Electrophoretic onto glass-fiber filter from an analytical isoelectrofocusing gel
 A/Reference number: A60808; MIMD:88267456; PMID:3389500
 A/Accession: B60808
 A/Molecule type: protein
 A/Residues: 25-41 <HST>
 R/Strawich, E.; Glimcher, M.J.
 Eur. J. Biochem. 191, 47-56, 1990
 A>Title: Tissue 'enamelin' identified mainly as serum proteins. Major 'enamelin' is album
 A/Reference number: S10780; MIMD:90336641; PMID:2379503
 A/Accession: S10780
 A/Molecule type: protein
 A/Residues: 25-41, 'H', 43-57, 59-64 <STR>
 R/Carraway, R.E.; Cochran, D.E.; Boucher, W.; Mitra, S.P.
 J. Immunol. 143, 1680-1684, 1989
 A>Title: Structures of histamine-releasing peptides formed by the action of acid protease
 A/Reference number: A45800; MIMD:89341406; PMID:2474609
 A/Accession: D45800
 A/Molecule type: protein
 A/Residues: 163-172 <CAR>
 R/Carraway, R.E.; Mitra, S.P.; Cochran, D.E.
 J. Biol. Chem. 262, 5968-5973, 1987
 A>Title: Structure of a biologically active neurotensin-related peptide obtained from pig
 A/Reference number: A26693; MIMD:87194805; PMID:2437111
 A/Accession: A26693
 A/Molecule type: protein
 A/Residues: 165-172, 'L' <CA2>
 R/Reed, R.G.; Putnam, F.W.; Peters Jr., T.
 Biochem. J. 191, 867-868, 1980
 A>Title: Sequence of residues 400-403 of bovine serum albumin.
 A/Reference number: A90309; MIMD:82023364; PMID:1283978
 A/Accession: A90309
 A/Molecule type: protein
 A/Residues: 402-433 <REB>
 R/Brown, J.R.
 Fed. Proc. 34, 591, 1975
 A>Title: Structure of bovine serum albumin.
 A/Reference number: A91458

A:Accession: A91458
 A:Molecule type: protein
 A:Residues: 25-41, 'H', 43-117, 'EQ', 120-179, 181-189, 'E', 191-194, 'A', 196-213, 'T', 215-288, 'E'
 R:Brown, J.R.
 Submitted to the Atlas, April 1975
 A:Reference number: A94551
 A:Accession: A94551
 A:Molecule type: protein
 A:Residues: 190-195 <BR2>
 R:Brown, J.R.
 Fed. Proc. 33, 1389, 1974
 A:Reference number: A91457
 A:Contents: annotation; disulfide bonds
 R:Merlen, R.C.; Offord, R.E.; Rose, K.
 Biochem. J. 302, 907-911, 1994
 A:Title: Preparation and characterization of novel substrates of insulin protease (EC
 A:Reference number: S55232; MUID:95031935; PMID:7945219
 A:Accession: S55232
 A:Molecule type: protein
 A:Status: preliminary
 A:Residues: 529-536; 569-572 <MR>
 A:Family: serum albumin; serum albumin repeat homology
 C:Keywords: carrier protein; copper binding; duplication; plasma
 F:1-18/Domain: signal sequence #status experimental <SIG>
 F:19-24/Domain: propeptide #status experimental <PRO>
 F:25-607/Product: serum albumin #status experimental <MP>
 F:29-201/Domain: serum albumin repeat homology <SA1>
 F:220-393/Domain: serum albumin repeat homology <SA2>
 F:412-591/Domain: serum albumin repeat homology <SA3>
 F:27/Binding site: copper (His) #status predicted
 F:77-86, 99-115, 114-125, 147-192, 191-200, 223-269, 268-276, 288-302, 301-312, 339-384, 383-392, 4

Query Match 92.2%; Score 59; DB 1; Length 607;
 Best Local Similarity 83.3%; Pred. No. 0.0064;
 Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DAKSEVHHRK 12
 DB 25 DTHKSEIHHRK 36

ABRST 4
 serum albumin precursor - rat
 N:Alternate names: preproalbumin
 C:Species: Rattus norvegicus (Norway rat)
 C>Date: 31-May-1979 #sequence revision 31-May-1979 #text change 22-Jun-1999
 C:Accession: A93872; A92211; A91946; A91940; C45800; I57621; A03253
 C:Residues: 1-608 <SAR>
 A:Cross-references: GB:V01222; GB:J00698; NID:G55627; PIDN:CAA24532.1; PID:G55628
 R:Struss, A.W.; Bennett, C.D.; Donohue, A.M.; Rodkey, J.A.; Alberts, A.W.
 J. Biol. Chem. 252, 6846-6855, 1977
 A:Title: Rat liver pre-proalbumin: complete amino acid sequence of the pre-piece. Analys
 A:Reference number: A92211; MUID:77249657; PMID:893447
 A:Accession: A92211
 A:Molecule type: mRNA
 A:Residues: 1-607 <BRO>
 A:Cross-references: EMBL:X17055; NID:G1386; PIDN:CAA34903.1; PID:G1387
 A:Comment: Serum albumin is synthesized in the liver as preproalbumin. It binds copper, i
 teroid hormones (weak bonds with these hormones promote their transfer across the membrar
 C:Superfamily: serum albumin; serum albumin repeat homology
 C:Keywords: carrier protein; duplication; metal binding; plasma
 F:1-18/Domain: signal sequence #status predicted <SIG>
 F:19-24/Domain: propeptide #status predicted <PRO>
 F:25-607/Product: serum albumin #status predicted <MP>
 F:29-201/Domain: serum albumin repeat homology <SA1>
 F:220-393/Domain: serum albumin repeat homology <SA2>
 F:412-591/Domain: serum albumin repeat homology <SA3>
 F:27/Binding site: copper (His) #status predicted

A:Title: Fragmentation of rat serum albumin by cyanogen bromide cleavage and the amino ac
 A:Reference number: A91940; MUID:76260153; PMID:956149
 A:Accession: A91940
 A:Molecule type: protein
 A:Residues: 223-288; 572-608 <IS2>
 A:Note: 262-Leu was also found
 R:Avoyagi, Y.; Ikenaka, T.; Ichida, F.
 Cancer Res. 38, 3483-3486, 1978
 A:Title: Copper(II)-binding ability of human alpha-fetoprotein.
 A:Reference number: A90758; MUID:79001617; PMID:80265
 A:Contents: annotation; copper binding
 R:Carraway, R.E.; Cochran, D.E.; Boucher, W.; Mitra, S.P.
 J. Immunol. 143, 1680-1684, 1969
 A:Title: Structures of histamine-releasing peptides formed by the action of acid protease
 A:Reference number: A45800; MUID:89341406; PMID:2474609
 A:Accession: A45800
 A:Molecule type: protein
 A:Status: preliminary
 A:Residues: 166-173 <CAR>
 R:Heard, J.
 Mol. Cell. Biol. 7, 2425-2434, 1987
 A:Title: Determinants of rat albumin promoter tissue specificity analyzed by an improved
 A:Reference number: I57621; MUID:87286876; PMID:3475566
 A:Accession: I57621
 A:Status: preliminary; translated from GB/EMBL/DBJ
 A:Molecule type: DNA
 A:Residues: 1-5 <RS>
 A:Cross-references: GB:M16825; NID:G202828; PIDN:AAA0712.1; PID:G554412
 C:Superfamily: serum albumin; serum albumin repeat homology
 C:Keywords: carrier protein; duplication; metal binding; plasma
 F:1-18/Domain: signal sequence #status experimental <SIG>
 F:19-24/Domain: propeptide #status experimental <PRO>
 F:25-608/Product: serum albumin #status experimental <MP>
 F:29-202/Domain: serum albumin repeat homology <SA1>
 F:221-394/Domain: serum albumin repeat homology <SA2>
 F:413-592/Domain: serum albumin repeat homology <SA3>
 F:27/Binding site: copper (His) #status experimental
 F:77-86, 99-115, 114-125, 148-193, 192-201, 224-270, 269-277, 289-303, 302-313, 340-385, 384-393, 41

Query Match 92.2%; Score 59; DB 1; Length 608;
 Best Local Similarity 83.3%; Pred. No. 0.0064;
 Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVHHRK 12
 DB 25 EAHKSEIHHRK 36

ABRST 5
 serum albumin precursor - sheep
 N:Alternate names: ovine fetal albumin
 C:Species: Ovis orientalis aries, Ovis ammon aries (domestic sheep)
 C>Date: 31-Dec-1993 #sequence revision 31-Dec-1993 #text change 22-Jun-1999
 C:Accession: S06936
 R:Brown, W.M.; Dziegielewska, K.M.; Foreman, R.C.; Saunders, N.R.
 Nucleic Acids Res. 17, 10495, 1989
 A:Title: Nucleotide and deduced amino acid sequence of sheep serum albumin.
 A:Reference number: S06936; MUID:90088888; PMID:2602160
 A:Accession: S06936
 A:Molecule type: mRNA
 A:Residues: 1-607 <BRO>
 A:Cross-references: EMBL:X17055; NID:G1386; PIDN:CAA34903.1; PID:G1387
 A:Comment: Serum albumin is synthesized in the liver as preproalbumin. It binds copper, i
 teroid hormones (weak bonds with these hormones promote their transfer across the membrar
 C:Superfamily: serum albumin; serum albumin repeat homology
 C:Keywords: carrier protein; duplication; metal binding; plasma
 F:1-18/Domain: signal sequence #status predicted <SIG>
 F:19-24/Domain: propeptide #status predicted <PRO>
 F:25-607/Product: serum albumin #status predicted <MP>
 F:29-201/Domain: serum albumin repeat homology <SA1>
 F:220-393/Domain: serum albumin repeat homology <SA2>
 F:412-591/Domain: serum albumin repeat homology <SA3>
 F:27/Binding site: copper (His) #status predicted

F:77-86,99-115,114-125,147-192,191-200,223-269,268-276,288-302,301-312,339-384,383-392,4
F:263/Binding site: bilinubin (lys) #status predicted

Query Match 84.4%; Score 54; DB 1; Length 607;
Best Local Similarity 81.8%; Pred. No. 0.053;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DAKSEVAHRF 11
| : : : : :
Db 25 DTKSEIAHRF 35

RESULT 6

ABHOS

serum albumin precursor - horse

C/Species: Equus caballus (domestic horse)

C/Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 22-Jun-1999

C/Accession: S34053

R:Ho, J.X.; Holowachuk, E.W.; Norton, E.J.; Twigg, P.D.; Carter, D.C.

F:19-24/Domain: signal sequence #status predicted <SIG>

F:77-86,99-115,114-125,147-192,191-200,223-269,268-276,288-302,301-312,339-384,383-392,4

F:263/Binding site: bilinubin (lys) #status predicted

A/Reference number: S34053; PMID:8344282

A/Accession: S34053

A/Molecule type: mRNA

A/Residues: 1-607 <HOA>

A/Cross-references: GB:X74045; NID:939671; PIDN:CAA5194.1; PID:939672

C/Comment: Serum albumin is synthesized in the liver as prealbumin. It binds copper, i

C/Superfamily: serum albumin; serum albumin repeat homology

C/Keywords: carrier protein; duplication; metal binding; plasma

F:1-18/Domain: signal sequence #status predicted <SIG>

F:19-24/Domain: propeptide #status predicted <PRO>

F:25-607/Product: serum albumin repeat homology <MAT>

F:220-201/Domain: serum albumin repeat homology <SA1>

F:412-391/Domain: serum albumin repeat homology <SA2>

F:27/Binding site: copper (His) #status predicted

F:77-86,99-115,114-125,147-192,191-200,223-269,268-276,288-302,301-312,339-384,383-392,4

F:263/Binding site: bilinubin (lys) #status predicted

Query Match 84.4%; Score 54; DB 1; Length 607;
Best Local Similarity 81.8%; Pred. No. 0.053;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DAKSEVAHRF 11
| : : : : :
Db 25 DTKSEIAHRF 35

RESULT 7

JCS838

albumin - Mongolian jird

C/Species: Meriones unguiculatus (Mongolian jird)

C/Date: 05-Mar-1998 #sequence_revision 13-Mar-1998 #text_change 19-May-2000

C/Accession: JCS838

R:Yoshida, K.; Sero-Oshima, A.; Sinozawa, H.

DNA Res. 4, 351-354, 1997

A/Title: Sequencing of cDNA encoding serum albumin and its extrahepatic synthesis in the

A/Reference number: JCS838; PMID:9455485

A/Accession: JCS838

A/Molecule type: mRNA

A/Residues: 1-609 <YOS>

A/Cross-references: DDBJ:AB006197; NID:92317277; PIDN:BA21765.1; PID:92317278

A/Experimental source: liver

C/Superfamily: serum albumin; serum albumin repeat homology

F:222-395/Domain: serum albumin repeat homology <SA2>

Query Match 84.4%; Score 54; DB 2; Length 609;
Best Local Similarity 81.8%; Pred. No. 0.053;
Matches 9; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 2 AHKSEVAHRF 12
| : : : : :
Db 25 DTKSEIAHRF 35

Db 27 AHKSEIAHRF 37

RESULT 8

ABRGs

serum albumin precursor - pig (fragment)

C/Species: Sus scrofa domestica (domestic pig)

C/Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 22-Jun-1999

C/Accession: S01382; A61006

R:Weinstock, J.; Baldwin, G.S.

Nucleic Acids Res. 16, 9045, 1988

A/Title: Nucleotide sequence of porcine liver albumin.

A/Reference number: S01382; PMID:89016582; PMID:3174440

A/Accession: S01382

A/Status: translation not shown

A/Molecule type: mRNA

A/Residues: 1-605 <WEI>

A/Cross-references: EMBL:X12422; NID:91875; PIDN:CAA30970.1; PID:9833798

R:Limback, H.; Sakarya, H.; Chu, W.; Mackinnon, M.

J. Bone Miner. Res. 4, 235-241, 1989

A/Title: Serum albumin and its acid hydrolysis peptides dominate preparations of mineral-

A/Reference number: A61006; PMID:89269769; PMID:2728927

A/Accession: A61006

A/Molecule type: protein

A/Residues: 23-51, 'X', '53-54', 'XXXG', '146', 'E', '148', 'E', '150-151', 'XV', '155' <LIM>

A/Experimental source: dental enamel

C/Comment: Serum albumin and other serum proteins are also found in bone

C/Superfamily: serum albumin; serum albumin repeat homology

C/Keywords: carrier protein; duplication; metal binding; plasma

F:1-16/Domain: signal sequence (fragment) #status predicted <SIG>

F:17-22/Domain: propeptide #status predicted <PRO>

F:23-605/Product: serum albumin repeat homology <MAT>

F:27-199/Domain: serum albumin repeat homology <SA1>

F:418-391/Domain: serum albumin repeat homology <SA2>

F:150-589/Domain: serum albumin repeat homology <SA3>

F:75-84,97-113,112-123,145-190,189-198,221-267,266-274,286-300,299-310,337-382,381-390,43

F:261/Binding site: bilinubin (lys) #status predicted

Query Match 82.8%; Score 53; DB 1; Length 605;
Best Local Similarity 75.0%; Pred. No. 0.081;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DAKSEVAHRF 12
| : : : : :
Db 23 DTKSEIAHRF 34

RESULT 9

S57632

serum albumin precursor - cat

C/Species: Felis silvestris catus (domestic cat)

C/Date: 19-Oct-1995 #sequence_revision 03-Nov-1995 #text_change 20-Aug-1999

C/Accession: J04660; S57632

R:Hilger, C.; Grigioni, F.; Hentges, F.

Gene 169, 295-296, 1996

A/Title: Sequence of the gene encoding cat (Felis domesticus) serum albumin.

A/Reference number: J04660; PMID:96194824; PMID:8647469

A/Accession: J04660

A/Molecule type: mRNA

A/Residues: 1-608 <HI2>

A/Cross-references: EMBL:X84842; NID:9886484; PIDN:CAA59279.1; PID:9886485

A/Experimental source: liver

C/Comment: This protein is the major protein component in plasma. It functions as a multi

C/Superfamily: serum albumin; serum albumin repeat homology

C/Keywords: liver; plasma

F:1-18/Domain: signal sequence #status predicted <SIG>

F:19-24/Domain: propeptide #status predicted <PRO>

F:25-608/Product: serum albumin repeat homology <MAT>

F:29-202/Domain: serum albumin repeat homology <SA1>

F:221-394/Domain: serum albumin repeat homology <SA2>

F:413-592/Domain: serum albumin repeat homology <SA3>

Query Match 78.1%; Score 50; DB 2; Length 608;
Best Local Similarity 72.7%; Pred. No. 0.29;
Matches 8; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAFHRF 11
:|||||:
DB 25 EAHQSEIHRF 35

RESULT 10

B61511

C:Species: Tachyglusosus aculeatus (Australian echidna)

C>Date: 09-Oct-1994 #sequence_revision 15-Oct-1994 #ext_change 11-May-2000

C/Accession: B61511

R:Teahan, C.G.; McKenzie, H.A.; Griffiths, M.

Comp. Biochem. Physiol. B 99, 99-118, 1991

A>Title: Some monomeric milk "whey" and blood proteins.

A:Reference number: A61511; MUID:92070088; PMID:1959333

A:Accession: B61511

A:Status: preliminary

A:Molecule type: protein

A:Residues: 1-30 <GRI>

C:Superfamily: serum albumin; serum albumin repeat homology

C:Keyword: milk

Query Match 71.9%; Score 46; DB 2; Length 30;

Best Local Similarity 66.7%; Pred. No. 0.068;

Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 DAKSEVAFHRF 12
:|||||:
DB 1 DAKSEIHRF 12

RESULT 11

S29749

C:Species: Canis lupus familiaris (dog)

C>Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #ext_change 07-May-1999

C/Accession: S29749

R:Dixon, J.W.; Sarkar, B.

J. Biol. Chem. 249, 5872-5877, 1974

A>Title: Isolation, amino acid sequence and copper(II)-binding properties of peptide (1-

A:Reference number: S29749; MUID:75011422; PMID:4414013

A:Accession: S29749

A:Status: preliminary

A:Molecule type: protein

A:Residues: 1-24 <DIX>

C:Superfamily: serum albumin; serum albumin repeat homology

Query Match 70.3%; Score 45; DB 2; Length 24;

Best Local Similarity 63.6%; Pred. No. 0.083;

Matches 7; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAFHRF 11
:|||||:
DB 1 EATKSEIHRF 11

RESULT 12

ABCHS

C:Species: Gallus gallus (chicken)

C>Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #ext_change 22-Jun-1999

C/Accession: S15571; A05078; A13451

R:Casasady, A.I.; Salikild, C.K.; Baverstock, P.; Wallace, J.C.

submitted to the EMBL Data Library, July 1991

A:Reference number: S15571

A:Accession: S15571

A:Molecule type: mRNA

A:Residues: 1-615 <CAS>

A:Cross-references: EMBL:X60688; NID:963747; PIDN:CAA43098.1; PID:963748

R:Haech, R.U.G.; Wiskocil, R.; Vasa, M.; Roy, R.N.; Lau, P.C.K.; Deley, R.G.

J. Biol. Chem. 258, 4556-4564, 1983

A>Title: The 5' noncoding and flanking regions of the avian very low density apolipoprotein

A:Reference number: A05078; MUID:93161037; PMID:6187737

A:Accession: A05078

A:Molecule type: DNA

A:Residues: 1-28 <HAC>

A:Cross-references: GB:V00381; NID:963038; PIDN:CAA23680.1; PID:963038

R:Rosen, A.M.; Geller, D.M.

Biochem. Biophys. Res. Commun. 79, 1060-1066, 1977

A>Title: Chicken microsomal albumin: amino terminal sequence of chicken proalbumin.

A:Reference number: A13451; MUID:78019943; PMID:911327

A:Accession: A13451

A:Molecule type: protein

A:Residues: 19-23, 'W', 25-30 <ROS>

C:Comment: Serum albumin is synthesized in the liver as preproalbumin. It binds copper, iron

mones (weak bonds with these hormones promote their transfer across the membranes), thyrc

C:Superfamily: serum albumin; serum albumin repeat homology

C:Keywords: carrier protein; duplication; metal binding; plasma

F:19-26/Domain: signal sequence #status predicted <PRO>

F:27-613/Product: serum albumin #status predicted <MAT>

F:32-206/Domain: serum albumin repeat homology <SA1>

F:417-596/Domain: serum albumin repeat homology <SA2>

F:80-89, 102-118, 117-128, 152-197, 196-205, 228-274, 273-281, 293-307, 306-317, 344-389, 388-397, 4

QY 3 HKSEVAFHRF 11
:|||||:
DB 30 HKSEIHRF 38

RESULT 13

B82910

C:Species: Ureaplasma urealyticum

C>Date: 18-Aug-2000 #sequence_revision 20-Aug-2000 #ext_change 20-Aug-2000

C/Accession: B82910

R:Glasse, J.I.; Lefkowitz, B.J.; Glasse, J.S.; Heiner, C.R.; Chen, E.Y.; Cassell, G.H.

submitted to Genbank, February 2000

A:Description: The complete sequence of Ureaplasma urealyticum: Alternate views of a mini

A:Reference number: A82870

A:Accession: B82910

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-201 <GLA>

A:Cross-references: GB:AE002125; GB:AF222894; NID:G6699253; PIDN:AAF30696.1; GSPDB:GN001;

A:Experimental source: serovar 3; biovar 1

C:Genetics:

A:Gene: U0287

A:Genetic code: SGC3

Query Match 61.7%; Score 39.5; DB 2; Length 201;
Best Local Similarity 52.6%; Pred. No. 7.7;
Matches 10; Conservative 0; Mismatches 0; Indels 9; Gaps 1;

QY 3 HKSEVAFHRF 12
:|||||:
DB 79 HKSSSLVITNDSEVAFHRF 97

RESULT 14

AH2378

C:Species: Nostoc sp.

A>Note: Nostoc sp. strain PCC 7120 is a synonym of Anabaena sp. strain PCC 7120

A:Molecule type: mRNA

C/Date: 14-Dec-2001 #sequence_revision 14-Dec-2001 #text_change 30-Jun-2002
 C/Accession: AH2378
 R/Kanezo, T.; Nakamura, Y.; Wolk, C.P.; Kuritz, T.; Sasamoto, S.; Watanabe, A.; Iriguchi, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Yasuda, M.; Tabata, S.
 DNA Res. 8, 205-213, 2001
 A/Title: Complete Genomic Sequence of the Filamentous Nitrogen-fixing Cyanobacterium *Ana*
 A/Reference number: AB1807; MUID:21595285; PMID:11759840
 A/Accession: AH2378
 A/Status: preliminary
 A/Molecule type: DNA
 A/Residues: 193 <KOR>
 A/Cross-references: GB:BA00019; PIDN:BA676283.1; PID:G17133720; GSPDB:GN00179
 A/Experimental source: strain PCC 7120
 C/Genetics:
 A/Gene: ahr4584

Query Match 59.4%; Score 38; DB 2; Length 93;
 Best Local Similarity 54.5%; Pred. No. 6.6;
 Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
 1 DAHKEVAHR 11
 : : : : :
 44 NTHADVAHR 54

RESULT 15
 S21171
 activin receptor STK9 - African clawed frog
 C/Species: *Xenopus laevis* (African clawed frog)
 C/Date: 22-Nov-1993 #sequence_revision 10-Nov-1995 #text_change 28-Feb-1997
 C/Accession: S21171
 R/Nishimatsu, S.; Oda, S.; Murakami, K.; Ueno, N.
 FEBS Lett. 303, 81-84, 1992
 A/Title: Multiple genes for *Xenopus* activin receptor expressed during early embryogenesis
 A/Reference number: S21171; MUID:9225088; PMID:1317302
 A/Accession: S21171
 A/Molecule type: mRNA
 A/Residues: 1-512 <NIS>
 C/Superfamily: activin receptor II; protein kinase homology
 C/Keywords: ATP
 F:189-485/Domain: protein kinase homology <KIN>

Query Match 59.4%; Score 38; DB 2; Length 512;
 Best Local Similarity 70.0%; Pred. No. 39;
 Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

1 DAHKEVAHR 10
 : : : : :
 311 DGHKPAVHR 320

RESULT 16
 JQ1317
 activin receptor precursor - African clawed frog
 C/Species: *Xenopus laevis* (African clawed frog)
 C/Date: 31-Mar-1992 #sequence_revision 31-Mar-1992 #text_change 18-Jun-1999
 C/Accession: JQ1317
 R/Kondo, M.; Tashiro, K.; Fujii, G.; Asano, M.; Miyoshi, R.; Yamada, R.; Muramatsu, M.; Biochem. Biophys. Res. Commun. 181, 684-690, 1991
 A/Title: Activin receptor mRNA is expressed early in *Xenopus* embryogenesis and the level
 A/Reference number: JQ1317; MUID:92095974; PMID:1661587
 A/Accession: JQ1317
 A/Molecule type: mRNA
 A/Residues: 1-514 <KON>
 A/Cross-references: GB:S70930; NID:G240781; PIDN:AA020638.1; PID:G240782
 C/Superfamily: activin receptor II; protein kinase homology
 C/Keywords: ATP; glycoprotein; serine/threonine-specific protein kinase; transmembrane F
 F:1-20/Domain: signal sequence #status predicted <SIG>
 F:21-514/Product: activin receptor #status predicted <ACT>
 F:131-162/Domain: transmembrane #status predicted <TRA>
 F:191-487/Domain: protein kinase homology <KIN>
 F:46,67,88,214,334/Binding site: carbohydrate (asn) (covalent) #status predicted

Query Match 59.4%; Score 38; DB 2; Length 514;
 Best Local Similarity 70.0%; Pred. No. 39;
 Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 1 DAHKEVAHR 10
 : : : : :
 313 DGHKPAVHR 322

RESULT 17
 AF3594
 sensory transduction histidine kinase (EC 2.7.3.-) (imported) - *Brucella melitensis* (str
 C/Species: *Brucella melitensis*
 C/Date: 01-Feb-2002 #sequence_revision 01-Feb-2002 #text_change 01-Feb-2002
 C/Accession: AF3594
 R/DelVecchio, V.G.; Kapural, V.; Redkar, R.J.; Patra, G.; Mijer, C.; Los, T.; Ivanova, I.; Mazur, M.; Goldman, E.; Selkov, E.; Elzer, P.H.; Hagius, S.; O'Callaghan, D.; Levesek Proc. Natl. Acad. Sci. U.S.A. 99, 443-448, 2002
 A/Title: The genome sequence of the facultative intracellular pathogen *Brucella melitensis*
 A/Reference number: AF3594; MUID:1175668
 A/Accession: AF3594
 A/Status: preliminary
 A/Molecule type: DNA
 A/Residues: 1-489 <KUR>
 A/Cross-references: GB:AE008918; PIDN:AAU53921.1; PID:G17984864; GSPDB:GN00191
 A/Experimental source: strain 16M
 C/Genetics:
 A/Gene: BMEI10679
 A/Map position: II
 C/Keywords: phosphotransferase

Query Match 57.8%; Score 37; DB 2; Length 489;
 Best Local Similarity 50.0%; Pred. No. 56;
 Matches 8; Conservative 4; Mismatches 0; Indels 4; Gaps 1;
 1 DAHKS---EVAHRK 12
 : : : : :
 276 EANKALVREIAHRK 291

RESULT 18
 T12251
 sucrose synthase (EC 2.4.1.13) - common ice plant (fragment)
 C/Species: *Mesembryanthemum crystallinum* (common ice plant)
 C/Date: 23-Jul-1999 #sequence_revision 23-Jul-1999 #text_change 02-Jun-2000
 C/Accession: T12251
 R/Michalowski, C.B.; Bohner, H.J.
 Submitted to the EMBL Data Library, March 1998
 A/Description: An expressed sequence tag for sucrose synthase from *M. crystallinum*.
 A/Reference number: T12251
 A/Accession: T12251
 A/Status: preliminary
 A/Molecule type: mRNA
 A/Residues: 1-67 <MIC>
 A/Cross-references: EMBL:AF054446; NID:G3064040; PID:G3064041
 C/Superfamily: sucrose synthase; sucrose-phosphate synthase homology
 C/Keywords: glycosyltransferase; hexosyltransferase

Query Match 56.2%; Score 36; DB 2; Length 67;
 Best Local Similarity 50.0%; Pred. No. 11;
 Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
 1 DAHKEVAHRK 12
 : : : : :
 23 DTHYSEFKHFQ 34

RESULT 19
 T30740
 hypothetical protein 138 - *Molluscum contagiosum virus* 1
 N/Alternate names: MC138
 C/Species: *Molluscum contagiosum virus* 1
 C/Date: 05-Nov-1999 #sequence_revision 05-Nov-1999 #text_change 21-Jul-2000

C/Accession: T30740
 R:Senkevich, T.G.; Bugert, J.J.; Stier, J.R.; Koonin, E.V.; Darai, G.; Moss, B.
 Science 273, 813-816, 1996
 A/Title: Genome sequence of a human tumorigenic poxvirus: Prediction of specific host re
 A/Reference number: Z20876; MUID:9635459; PMID:8670425
 A/Accession: T30740
 A/Status: preliminary; translated from GB/EMBL/DBJ
 A/Molecule type: DNA
 A/Residues: 1-117 <SEN>
 A/Cross-references: EMBL:U60315; PIDN:AAC55266.1
 C/Genetics:
 A/Note: MC138R
 C/Superfamily: variola major virus 6R protein

Query Match 56.2%; Score 36; DB 2; Length 117;
 Best Local Similarity 77.8%; Pred. No. 19;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 AHKSEVAHR 10
 |||||
 24 AHKSAFAHR 32

RESULT 20
 F83532
 conserved hypothetical protein PA0915 [imported] - Pseudomonas aeruginosa (strain PA01)
 C/Species: Pseudomonas aeruginosa
 C/Date: 15-Sep-2000 #sequence_revision 15-Sep-2000 #text_change 31-Dec-2000
 C/Accession: F83532
 R:Stover, C.K.; Pham, X.Q.; Erwin, A.L.; Mizoguchi, S.D.; Warren, P.; Hickey, M.J.; B
 adman, S.; Yuan, Y.; Brody, L.L.; Coulter, S.N.; Folger, K.R.; Kas, A.; Lardig, K.; Lim,
 .; Lory, S.; Olson, M.V.
 Nature 406, 959-964, 2000
 A/Title: Complete genome sequence of Pseudomonas aeruginosa PA01, an opportunistic patho
 A/Reference number: A82950; MUID:20437337; PMID:10984043
 A/Accession: F83532
 A/Status: preliminary
 A/Molecule type: DNA
 A/Residues: 1-153 <STO>
 A/Cross-references: GB:AE004525; GB:AE004091; NID:g9946805; PIDN:AA04304.1; GSPDB:GN001
 C/Experimental source: strain PA01
 C/Genetics:
 A/Gene: PA0915

Query Match 56.2%; Score 36; DB 2; Length 153;
 Best Local Similarity 63.6%; Pred. No. 26;
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 DAHSEVAHR 11
 |||||
 DB 18 DAHLAEIARF 28

RESULT 21
 B84870
 probable molybdopterin synthase large subunit [imported] - Arabidopsis thaliana
 C/Species: Arabidopsis thaliana (mouse-ear cress)
 C/Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 02-Feb-2001
 C/Accession: B84870
 R:Lin, X.; Keul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y.;
 M.; Koo, H.; Moffatt, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Umayam, T.; Tallon, L.
 eue, D.; Nierman, W.C.; White, O.; Eisen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, J
 Nature 407, 761-768, 1999
 A/Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.
 A/Reference number: A84420; MUID:20083487; PMID:10671197
 A/Accession: B84870
 A/Status: preliminary
 A/Molecule type: DNA
 A/Residues: 1-158 <STO>
 A/Cross-references: GB:AE002093; NID:g2281094; PIDN:AA84030.1; GSPDB:GN00139
 C/Genetics:
 A/Gene: At2g43760
 A/Map position: 2

Query Match 56.2%; Score 36; DB 2; Length 198;
 Best Local Similarity 70.0%; Pred. No. 34;
 Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 DAHSEVAHR 10
 |||||
 DB 79 DIHKAIVAR 88

RESULT 22
 T02888
 thymidine kinase (EC 2.7.1.21) [similarity] - rice
 C/Species: Oryza sativa (rice)
 C/Date: 24-Mar-1999 #sequence_revision 24-Mar-1999 #text_change 21-Jun-2002
 C/Accession: T02888
 R:Ullah, H.; Robertson, N.; Fites, R.C.
 submitted to the EMBL Data Library, May 1998
 A/Description: Plant thymidine kinase.
 A/Reference number: Z14763
 A/Accession: T02888
 A/Status: preliminary; translated from GB/EMBL/DBJ
 A/Molecule type: mRNA
 A/Residues: 1-212 <UHL>
 A/Cross-references: EMBL:AF06050; NID:g3411151; PID:g3411152
 A/Experimental source: cultivar Nipponbare
 C/Genetics:
 A/Gene: TK
 C/Superfamily: Escherichia coli thymidine kinase
 C/Keywords: ATP; DNA biosynthesis; phosphotransferase

Query Match 56.2%; Score 36; DB 2; Length 212;
 Best Local Similarity 58.3%; Pred. No. 36;
 Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 1 DAHSEVAHR 12
 |||||
 DB 201 DLKSKVTHARF 212

RESULT 23
 B70379
 dihydrodipicolinate reductase - Aquifex aeolicus
 C/Species: Aquifex aeolicus
 C/Date: 08-May-1998 #sequence_revision 08-May-1998 #text_change 11-Jun-1999
 C/Accession: B70379
 R:Decker, G.; Warren, P.V.; Gaasterland, T.; Young, W.G.; Lenox, A.L.; Graham, D.E.; Ove
 v.
 Nature 392, 353-358, 1998
 A/Title: The complete genome of the hyperthermophilic bacterium Aquifex aeolicus.
 A/Reference number: A70300; MUID:98196666; PMID:9537320
 A/Accession: B70379
 A/Status: preliminary; nucleic acid sequence not shown; translation not shown
 A/Molecule type: DNA
 A/Residues: 1-265 <AGP>
 A/Cross-references: GB:AE000713; NID:g2983424; PIDN:AAC07008.1; PID:g2983426; GB:AE00065;
 A/Experimental source: strain VFS
 C/Genetics:
 A/Gene: dapB
 C/Superfamily: dihydrodipicolinate reductase

Query Match 56.2%; Score 36; DB 2; Length 265;
 Best Local Similarity 58.3%; Pred. No. 45;
 Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 1 DAHSEVAHR 12
 |||||
 DB 151 DAETMEIHRF 162

RESULT 24
 T42407
 gephyrin homolog - Caenorhabditis elegans

C:Species: *Caenorhabditis elegans*
 C>Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 17-Mar-2000
 C/Accession: T42407
 R:Moore, E.G.; Johnstone, J.; Lee, R.; Ambros, V.
 Submitted to the EMBL Data Library, January 1998
 A/Reference number: Z22161
 A/Accession: T42407
 A/Status: preliminary; translated from GB/EMBL/DBJ
 A/Molecule type: mRNA
 A/Residues: 1-391 <MOS>
 A/Cross-references: EMBL:AF042069; PDB:1AB97841.1
 C/Genetics:
 A:Gene: lin-46
 C:Superfamily: molybdenum cofactor biosynthesis protein moea-2

Query Match 56.2%; Score 36; DB 2; Length 391;
 Best Local Similarity 50.0%; Pred. No. 68;
 Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

1 DAKSEVAHRFK 12
 : |||
 Db 317 EGONSETSRHFK 328

RESULT 25
 A72691
 Probable spermidine/putrescine-binding periplasmic protein APE0945 - *Aeropyrum pernix* (F
 C:Species: *Aeropyrum pernix*
 C>Date: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 08-Dec-2000
 C/Accession: A72691
 R:Kawarabayashi, Y.; Hino, Y.; Horikawa, H.; Yamazaki, S.; Hatakeyama, Y.; Jin-no, K.; Takah
 awa, H.; Takamiya, M.; Masuda, S.; Funahashi, T.; Tanaka, T.; Kudoh, Y.; Yamazaki, J.; K
 DNA Res. 6, 83-101, 1999
 A/Title: Complete genome sequence of an aerobic hyper-thermophilic Crenarchaeon, *Aeropyr*
 A/Reference number: A72450; NCID:9310339; PMID:10382966
 A/Accession: A72691
 A/Status: preliminary
 A/Molecule type: DNA
 A/Residues: 1-407 <KAM>
 A/Cross-references: DDBJ:AP000060; NID:95104188; PDB:1BAV9929.1; PID:d1043715; PID:9510
 A/Experimental source: strain K1
 C/Genetics:
 A:Gene: APE0945
 C:Superfamily: *Escherichia coli* spermidine/putrescine-binding protein

Query Match 56.2%; Score 36; DB 2; Length 407;
 Best Local Similarity 63.6%; Pred. No. 71;
 Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

1 DAKSEVAHRFK 11
 : |||
 Db 283 DAHDVEAHLRF 293

RESULT 26
 S63392
 Probable membrane protein YNR060w - Yeast (*Saccharomyces cerevisiae*)
 N/Alternate names: hypothetical protein N3518
 C:Species: *Saccharomyces cerevisiae*
 C>Date: 27-Apr-1996 #sequence_revision 03-May-1996 #text_change 20-Jun-2000
 C/Accession: S63392
 R:Duesterhoeft, A.; Floeth, M.; Filtz, C.; Heuss-Neitzel, D.; Hilbert, H.; Moestl, D.
 submitted to the Protein Sequence Database, April 1996
 A/Reference number: S62944
 A/Accession: S63392
 A/Molecule type: DNA
 A/Residues: 1-719 <DUE>
 A/Cross-references: EMBL:U71675; NID:G1302583; PDB:1CMA96342.1; PID:G1302584; MIPS:YNR06
 C/Experimental source: strain S288C
 C/Genetics:
 A:Gene: SGD:PRE4
 A/Cross-references: SGD:S0005343; MIPS:YNR060w
 A/Map position: 14R

C:Superfamily: ferric reductase FRB2
 C/Keywords: transmembrane protein
 F:1-17/Domain: transmembrane #status predicted <TM1>
 F:161-177/Domain: transmembrane #status predicted <TM2>
 F:231-247/Domain: transmembrane #status predicted <TM3>
 F:273-289/Domain: transmembrane #status predicted <TM4>
 F:350-366/Domain: transmembrane #status predicted <TM5>
 F:374-390/Domain: transmembrane #status predicted <TM6>

Query Match 56.2%; Score 36; DB 2; Length 719;
 Best Local Similarity 75.0%; Pred. No. 1.3e+02;
 Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 AKSEVAH 9
 : |||
 Db 260 ARAEVAH 267

RESULT 27
 T16270
 Hypothetical protein F35D11.11 - *Caenorhabditis elegans*
 C:Species: *Caenorhabditis elegans*
 C>Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 20-Sep-1999
 C/Accession: T16270
 R:Fulton, B.
 Submitted to the EMBL Data Library, June 1995
 A/Description: The sequence of C. elegans cosmid F35D11.
 A/Reference number: Z18487
 A/Accession: T16270
 A/Status: preliminary; translated from GB/EMBL/DBJ
 A/Molecule type: DNA
 A/Residues: 1-1827 <FUL>
 A/Cross-references: EMBL:U29381; NID:9868214; PID:9868224; PDB:1AA68757.1; CESP:F35D11.1
 A/Experimental source: strain Bristol N2
 C/Genetics:
 A:Gene: CESP:F35D11.11
 A:Introns: 76/2; 131/3; 159/3; 185/3; 221/3; 253/3; 320/1; 869/3; 1133/3; 1205/2; 1250/1;

Query Match 56.2%; Score 36; DB 2; Length 1827;
 Best Local Similarity 60.0%; Pred. No. 3.4e+02;
 Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 3 HKSEVAHRFK 12
 : |||
 Db 19 HKSLVGHRYR 28

RESULT 28
 G69489
 LSU ribosomal protein L22P (rpl22p) homolog - *Archaeoglobus fulgidus*
 C:Species: *Archaeoglobus fulgidus*
 C>Date: 05-Dec-1997 #sequence_revision 05-Dec-1997 #text_change 13-Aug-1999
 C/Accession: G69489
 R:Klenk, H.P.; Clayton, R.A.; Tomb, J.F.; White, O.; Nelson, K.E.; Ketchum, K.A.; Dodson,
 .; Fleischmann, R.D.; Quackenbush, J.; Lee, N.H.; Sutton, G.G.; Gill, S.; Kirkness, E.F.;
 Glodek, A.; Zhou, L.; Overbeek, R.; Gocayne, J.D.; Weidman, J.F.; McDonald, L.
 Nature 390, 364-370, 1997
 A/Authors: Ullrich, T.; Cotton, M.D.; Spriggs, T.; Artlich, P.; Kaine, B.P.; Sykes, S.J
 Smith, H.O.; Woese, C.R.; Venter, J.C.
 A/Title: The complete genome sequence of the hyperthermophilic, sulfate-reducing archaeo
 A/Reference number: A69250; MUID:98049343; PMID:9389475
 A/Accession: G69489
 A/Status: preliminary; nucleic acid sequence not shown; translation not shown
 A/Molecule type: DNA
 A/Residues: 1-155 <KLE>
 A/Cross-references: GB:AE000971; GB:AE000782; NID:92689294; PDB:1AB89352.1; PID:G264864;
 C:Superfamily: rat ribosomal protein L17

Query Match 54.7%; Score 35; DB 2; Length 155;
 Best Local Similarity 75.0%; Pred. No. 40;
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 HKSEVAHR 10

Db 67 HKKVAHR 74

RESULT 29

D96750

Unknown protein F28P22.22 (imported) - Arabidopsis thaliana

C/Species: Arabidopsis thaliana (mouse-ear cress)

C/Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 31-Mar-2001

C/Accession: D96750

R/Theologos, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso,

Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Creasey, T.H.; Dewar, K.;

ansen, N.F.; Hughes, B.; Hultzer, L.

Nature 408, 816-820, 2000

A/Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.

C.A.; Li, J.H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziani,

Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.

A/Authors: Salzberg, S.L.; Schwartz, J.R.; Shim, P.; Southwick, A.M.; Sun, H.; Tallon,

ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.

A/Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.

A/Reference number: A86141; MUID:21016719; PMID:11130712

A/Accession: D96750

A/Status: preliminary

A/Molecule type: DNA

A/Residues: 1-320 <STO>

C/Cross-references: GB:AE005173; NID:96648169; PIDN:AAF21169.1; GSPDB:GN00141

C/Genetics:

A/Gene: F28P22.22

A/Map position: 1

Query Match

Best Local Similarity 54.7%; Score 35; DB 2; Length 320;

Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Db 100 HMTVHRFK 109

Query 3 HKSEVAHRFK 12

Db 100 HMTVHRFK 109

RESULT 30

164180

nrd protein - Haemophilus influenzae (strain Rd KW20)

C/Species: Haemophilus influenzae

C/Date: 18-Aug-1995 #sequence_revision 26-Jul-1996 #text_change 11-Jun-1999

C/Accession: I64180

R/Fleischmann, R.D.; Adams, M.D.; White, O.; Clayton, R.A.; Kirkness, E.F.; Kesteven,

Gocayne, J.D.; Scott, J.; Shirley, R.; Liu, L.I.; Glodok, A.; Kelley, J.M.; Weidman,

D.M.; Brandon, R.C.; Fine, L.D.; Fritchman, J.L.; Fuhrman, J.L.; Geoghegan, N.S.M.

Science 269, 496-512, 1995

A/Authors: Gnehm, C.L.; McDonald, L.A.; Small, K.V.; Fraser, C.M.; Smith, H.O.; Venter,

A/Title: Whole-genome random sequencing and assembly of Haemophilus influenzae Rd.

A/Reference number: A64000; MUID:95350630; PMID:7542800

A/Accession: I64180

A/Status: nucleic acid sequence not shown; translation not shown

A/Molecule type: DNA

A/Residues: 1-321 <TRG>

A/Cross-references: GB:U32787; GB:I42023; NID:91574619; PIDN:AA22724.1; PID:91574620; T

C/Note: named as homolog to a protein from Escherichia coli

C/Genetics:

A/Gene: nrd

C/Function:

A/Description: probably involved in the transfer of electrons from the quinone pool to

C/Superfamily: nrd protein

C/Keywords: transmembrane protein

F/130-146/Domain: transmembrane #status predicted <TM1>

F/305-321/Domain: transmembrane #status predicted <TM2>

Query Match

Best Local Similarity 54.7%; Score 35; DB 1; Length 321;

Matches 5; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Db 1 DAKSEVAHRFK 12

Query 1 DAKSEVAHRFK 12

Db 1 DAKSEVAHRFK 12

Db 212 DSHESHFKFE 223

RESULT 31

S43415

histidine ammonia-lyase (EC 4.3.1.3) - human

N/Alternate names: histidase

C/Species: Homo sapiens (man)

C/Date: 07-Sep-1994 #sequence_revision 10-Nov-1995 #text_change 10-Dec-1999

C/Accession: S43415

R/Sucht, W.; Harada, N.; Wada, Y.; Takagi, Y.

Biochim. Biophys. Acta 1216, 293-295, 1993

A/Title: Molecular cloning of a cDNA encoding human histidase.

A/Reference number: S43415; MUID:94060103; PMID:7916645

A/Accession: S43415

A/Status: preliminary

A/Molecule type: mRNA

A/Residues: 1-657 <STO>

A/Cross-references: DDBJ:D16626; NID:9451209; PIDN:BAA04047.1; PID:9451210

C/Genetics:

A/Gene: GDB:HAL; HIS

A/Cross-references: GDB:120746; OMIM:235800

A/Map position: 12q22-12q23

C/Function:

A/Description: catalyzes the formation of (E)-3-(1H-imidazol-4-yl)-propenoic acid (urocar

A/Pathway: histidine catabolism

C/Superfamily: histidine ammonia-lyase

C/Keywords: ammonia-lyase; carbon-nitrogen lyase; histidine catabolism

F/253-255/Cross-link: 5-imidazolone (Ala-Gly) #status predicted

F/254/Modified site: dehydroalanine (Ser) #status predicted

Query Match

Best Local Similarity 54.7%; Score 35; DB 2; Length 657;

Matches 8; Conservative 1; Mismatches 2; Indels 2; Gaps 1;

Db 375 DHRPSEIAHSRF 387

Query 1 DAKSEVA-HRF 11

Db 375 DHRPSEIAHSRF 387

RESULT 32

A36087

histidine ammonia-lyase (EC 4.3.1.3) - rat

C/Species: Rattus norvegicus (Norway rat)

C/Date: 25-Jan-1991 #sequence_revision 25-Jan-1991 #text_change 10-Dec-1999

C/Accession: A36087

R/Taylor, R.G.; Lambert, M.A.; Sexsmith, E.; Sadler, S.J.; Ray, P.N.; Mahuran, D.J.; McElr

J. Biol. Chem. 265, 18192-18199, 1990

A/Title: Cloning and expression of rat histidase. Homology to two bacterial histidases ar

A/Reference number: A36087; MUID:91009306; PMID:2120224

A/Accession: A36087

A/Status: preliminary

A/Molecule type: mRNA

A/Residues: 1-657 <TAI>

A/Cross-references: GB:M58308; GB:J05653; NID:9204556; PIDN:AA63491.1; PID:9204557

C/Superfamily: histidine ammonia-lyase

C/Keywords: ammonia-lyase; carbon-nitrogen lyase; histidine catabolism

F/253-255/Cross-link: 5-imidazolone (Ala-Gly) #status predicted

F/254/Modified site: dehydroalanine (Ser) #status predicted

Query Match

Best Local Similarity 54.7%; Score 35; DB 2; Length 657;

Matches 8; Conservative 1; Mismatches 2; Indels 2; Gaps 1;

Db 375 DHRPSEIAHSRF 387

Query 1 DAKSEVA-HRF 11

Db 375 DHRPSEIAHSRF 387

RESULT 33

A46128

histidine ammonia-lyase (EC 4.3.1.3) - mouse

N/Alternate names: histidase

C:Species: Mus musculus (house mouse)
C:Date: 21-Sep-1993 #sequence_revision 18-Nov-1994 #text_change 10-Dec-1999
C:Accession: A46128
R:Taylor, R.G.; Grisco, D.; Clarke, G.A.; McInnes, R.R.; Taylor, B.A.
Genomics 16, 231-240, 1993
A:Title: Identification of the mutation in murine histidinemia (his) and genetic mapping
A:Reference number: A46128; NCID:9325384; PMID:8486363
A:Accession: A46128
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-657 <RAY>
A:Cross-references: GB:U07645; NID:q193751; PIDN:AAA37777.1; PTD:q193752
A:Experimental source: C57BL
A:Note: sequence extracted from NCBI backbone (NCBIN:131641, NCBI:131644)
C:Function:
A:Description: catalyzes the formation of (E)-3-(1H-imidazol-4-yl)-propanoic acid (uroc
A:Pathway: histidine catabolism
C:Superfamily: histidine ammonia-lyase
C:Keywords: ammonia-lyase; carbon-nitrogen lyase; histidine catabolism
A:3-255/Cross-link: 5-imidazolone (Ala-Gly) #status predicted
A:Modified site: dehydroalanine (Ser) #status predicted

Query Match 54.7%; Score 35; DB 2; Length 657;
Best Local Similarity 61.5%; Pred. No. 1.8e+02;
Matches 8; Conservative 1; Mismatches 2; Indels 2; Gaps 1;

OY 1 DAKSEVAHREF 11
DB 375 DHHSEVAHREF 387

RESULT 34
H82143
methyl-accepting chemotaxis protein VCI1898 [imported] - Vibrio cholerae (strain N16961
C:Species: Vibrio cholerae
C:Date: 18-Aug-2000 #sequence_revision 20-Aug-2000 #text_change 02-Feb-2001
C:Accession: H82143
R:Heidelberg, J.F.; Eisen, J.A.; Nelson, W.C.; Clayton, R.A.; Gwin, M.L.; Dodson, R.J.;
Chardon, D.; Esmolaeva, M.D.; Vamathevan, J.; Baas, S.; Qin, H.; Dragol, I.; Sellers, F.
1, R.R.; Mekalanos, J.J.; Venter, J.C.; Fraser, C.M.
Nature 406, 477-483, 2000
A:Title: DNA Sequence of both chromosomes of the cholera pathogen Vibrio cholerae.
A:Reference number: A82035; NCID:20406853; PMID:10952301
A:Accession: H82143
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-672 <HEI>
A:Cross-references: GB:AE004265; GB:AE003852; NID:q9656424; PIDN:AA95046.1; GSPDB:GN001
A:Experimental source: serogroup O1; strain N16961; biotype El Tor
C:Genetics:
A:Gene: VCI1898
A:Map position: 1

Query Match 54.7%; Score 35; DB 2; Length 672;
Best Local Similarity 66.7%; Pred. No. 1.8e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 4 KSEVAHREF 12
DB 663 QSEVAHREF 671

RESULT 35
B42594
D-amino acid hydantoin hydrolase (ATP-hydrolyzing) (EC 3.5.2.-) hyuA [validated] - Pseud
C:Species: Pseudomonas sp.
C:Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 16-Feb-2001
C:Accession: B42594
R:Mathe, K.; Ishikawa, T.; Mukohara, Y.; Nakamura, H.
J. Bacteriol. 174, 962-969, 1992
A:Title: Cloning and sequencing of the genes involved in the conversion of 5-substituted
A:Reference number: A42594; NCID:92121137; PMID:1732229
A:Accession: B42594

A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-690 <MAT>
A:Cross-references: GB:M22717; NID:q151280; PIDN:AA25845.1; PID:q151282
A:Note: sequence extracted from NCBI backbone (NCBIN:77753, NCBI:77760)
C:Superfamily: Pseudomonas D-amino acid hydantoin hydrolase (ATP-hydrolyzing) hyuA
C:Keywords: hydrolase

Query Match 54.7%; Score 35; DB 2; Length 690;
Best Local Similarity 45.5%; Pred. No. 1.9e+02;
Matches 5; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

OY 1 DAKSEVAHREF 11
DB 576 ESHKAEYGHNF 586

RESULT 36
T38327
hypochemical protein SPAC23H4.01c - fission yeast (Schizosaccharomyces pombe) (fragment)
C:Species: Schizosaccharomyces pombe
C:Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 03-Dec-1999
C:Accession: T38327
R:Brown, D.; Churcher, C.M.; Barrell, B.G.; Rajandream, M.A.; Wood, V.
submitted to the EMBL Data Library, September 1997
A:Reference number: 221733
A:Accession: T38327
A:Status: preliminary; translated from GB/EMBL/DBD
A:Molecule type: DNA
A:Residues: 1-749 <BRO>
A:Cross-references: EMBL:Z98977; PIDN:CA811656.1; GSPDB:GN00066; SPDB:SPAC23H4.01c
A:Experimental source: strain 972h-; cosmid c23H4
C:Genetics:
A:Gene: SPDB:SPAC23H4.01c
A:Map position: 1

Query Match 54.7%; Score 35; DB 2; Length 749;
Best Local Similarity 66.7%; Pred. No. 2e+02;
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 1 DAKSEVAHREF 12
DB 403 DATKSSVAHREF 414

RESULT 37
T23256
hypochemical protein K03A11.1 - Caenorhabditis elegans
C:Species: Caenorhabditis elegans
C:Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 18-Feb-2000
C:Accession: T23256
R:Swingburne, J.
submitted to the EMBL Data Library, July 1996
A:Reference number: Z19717
A:Accession: T23256
A:Status: preliminary; translated from GB/EMBL/DBD
A:Molecule type: DNA
A:Residues: 1-969 <WIL>
A:Cross-references: EMBL:Z77133; PIDN:CA800865.1; GSPDB:GN00028; CESP:K03A11.1
A:Experimental source: clone K03A11
C:Genetics:
A:Gene: CESP:K03A11.1
A:Map position: X
A:Introns: 33/1; 116/1; 162/1; 185/1; 256/2; 359/1; 494/1; 580/1; 738/3; 765/3; 804/3; 84

Query Match 54.7%; Score 35; DB 2; Length 969;
Best Local Similarity 54.5%; Pred. No. 2.7e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

OY 2 DAKSEVAHREF 12
DB 187 AHKSCAHGVR 197

RESULT 38
T18552
Batimycin Mx1 synthetase A - Myxococcus xanthus
C:Species: Myxococcus xanthus
C>Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 17-Nov-2000
C/Accession: T18552
R:Pospietech, A.; Bierenhader, J.; Schnupp, T.
Microbiology 142, 741-746, 1996
A>Title: Two multifunctional peptide synthetases and an O-methyltransferase are involved
A:Reference number: Z18967; PMID:97090395; PMID:8936503
A/Accession: T18552
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-2605 <POS>
A/Cross-references: EMBL:U24657; NID:g1171127; PID:g1171129; PIDN:AAC44129.1
C/Genetics:
A:Gene: *saFA*
C:Superfamily: acetate-CoA ligase homology; acyl carrier protein homology
C:Keywords: carrier protein
F:1065/Domain: acetate-CoA ligase homology <ACLI>
F:1643-2091/Domain: acyl carrier protein homology <ACPI>
F:2110-2178/Domain: acyl carrier protein homology <ACP2>

Query Match
Best Local Similarity 54.7%; Score 35; DB 2; Length 2605;
Matches 5; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1 DAHSEVVAHR-FK 12
DB 1629 DAHANQALHHR 1640

RESULT 39
PC4261
activin type II receptor - baboon (fragment)
C:Species: Papio sp. (baboon)
C>Date: 11-Apr-1997 #sequence_revision 09-May-1997 #text_change 23-Aug-1997
C/Accession: PC4261
R:Zhao, Y.; Silbajoris, R.; Young, S.L.
Biochem. Biophys. Res. Commun. 229, 50-57, 1996
A>Title: Identification and developmental expression of two activin receptors in baboon
A:Reference number: PC4260; PMID:97112402; PMID:8954082
A/Content: lung
A/Accession: PC4261
A:Molecule type: mRNA
A:Residues: 1-251 <ZNA>
C/Cross-references: GB:U60421
Comment: This protein plays a role in lung development and involved in transforming growth factor- β signaling pathway.
F:1-251/Domain: protein kinase homology (fragment) <KIN>

Query Match
Best Local Similarity 53.9%; Score 34.5; DB 2; Length 251;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 1 DAHSEVVAHR-FK 12
DB 98 EGHKPSIAHRDFK 110

RESULT 40
B49193
Type II activin receptor ActRIIB - rat (fragment)
C:Species: Rattus norvegicus (Norway rat)
C>Date: 19-Dec-1993 #sequence_revision 18-Nov-1994 #text_change 28-Feb-1997
C/Accession: B49193
R:Feng, Z.M.; Madigan, M.B.; Chen, C.L.
Endocrinology 132, 2593-2600, 1993
A>Title: Expression of type II activin receptor genes in the male and female reproductive system
A:Reference number: A49193; PMID:93279247; PMID:7916681
A/Accession: B49193

A:Status: preliminary
A:Molecule type: nucleic acid
A:Residues: 1-382 <FEN>
A>Note: sequence extracted from NCBI backbone (NCBIN:133010, NCBIP:133011)
C:Superfamily: activin receptor II; protein kinase homology
C:Keywords: ATP
F:74-371/Domain: protein kinase homology <KIN>

Query Match
Best Local Similarity 53.9%; Score 34.5; DB 2; Length 382;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 1 DAHSEVVAHR-FK 12
DB 197 EGHKPSIAHRDFK 209

RESULT 41
S62626
protein disulfide-isomerase (EC 5.3.4.1) - castor bean
C:Species: Ricinus communis (castor bean)
C>Date: 19-Mar-1997 #sequence_revision 25-Apr-1997 #text_change 21-Jan-2000
C/Accession: S62626
R:Coughlan, S.J.; Hastings, C.; Winfrey Jr., R.J.
Eur. J. Biochem. 235, 215-224, 1996
A>Title: Molecular characterization of plant endoplasmic reticulum: identification of pro
A:Reference number: S62620; PMID:96202938; PMID:8631332
A/Accession: S62626
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-498 <COU>
A/Cross-references: EMBL:U41385; NID:g1134967; PIDN:AAB05641.1; PID:g1134968
C:Superfamily: protein disulfide-isomerase; thioredoxin homology
C:Keywords: intramolecular oxidoreductase; isomerase
F:40-126/Domain: thioredoxin homology <TXN>

Query Match
Best Local Similarity 53.9%; Score 34.5; DB 2; Length 498;
Matches 9; Conservative 2; Mismatches 1; Indels 3; Gaps 1;

QY 1 DAHSEVVAHR-FK 12
DB 284 DSIKSYQVVAHQF 298

RESULT 42
B40829
activin receptor isoform IIR4 - mouse
C:Species: Mus musculus (house mouse)
C>Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 23-May-1997
C/Accession: B40829
R:Altisano, L.; Wrana, J.L.; Cheifetz, S.; Massague, J.
Cell 68, 97-108, 1992
A>Title: Novel activin receptors: distinct gene and alternative mRNA splicing generate
A:Reference number: B40829; PMID:92119722; PMID:1310075
A/Accession: B40829
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-504 <ATT>
A:Experimental source: Balb/c 3T3
A>Note: sequence inconsistent with the nucleotide translation
A:Note: sequence extracted from NCBI backbone (NCBIN:88364, NCBIP:88365)
C:Superfamily: activin receptor II; protein kinase homology
C:Keywords: ATP; receptor
F:180-477/Domain: protein kinase homology <KIN>

Query Match
Best Local Similarity 53.9%; Score 34.5; DB 2; Length 504;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 1 DAHSEVVAHR-FK 12
DB 303 EGHKPSIAHRDFK 315

RESULT 43
D40829
activin receptor isoform IIB2 - mouse
C/Species: Mus musculus (house mouse)
C/Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 23-May-1997
C/Accession: D40829
R/Altisano, L.; Wrana, J.L.; Chelifetz, S.; Massague, J.
Cell 68, 97-108, 1992
A/Title: Novel activin receptors: distinct genes and alternative mRNA splicing generate
A/Reference number: A40829; MUID:92119722; PMID:1310075
A/Accession: D40829
A/Status: preliminary
A/Molecule type: mRNA
A/Residues: 1-512 <ATT>
A/Experimental source: Balb/c 3T3
A/Note: sequence inconsistent with the nucleotide translation
A/Note: sequence extracted from NCBI backbone (NCBIN:88360, NCBIPI:88361)
C/Keywords: ATP; receptor
F/188-485/Domain: protein kinase homology <KIN>

Query Match 53.9%; Score 34.5; DB 2; Length 512;
Best Local Similarity 53.8%; Pred. No. 1.7e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 1 DAHKEVAHR-FK 12
DB 311 EGHKPSIAHRDFK 323

RESULT 44
I37134
activin type II receptor - human
C/Species: Homo sapiens (man)
C/Date: 29-May-1998 #sequence_revision 29-May-1998 #text_change 18-Jun-1999
C/Accession: I37134
R/Hilden, K.; Tuurti, T.; Eramaa, M.; Rytova, O.
Blood 83, 2163-2170, 1994
A/Title: Expression of type II activin receptor gene during differentiation of human KS
A/Reference number: I37134; MUID:94214177; PMID:8161782
A/Accession: I37134
A/Status: preliminary; translated from GB/EMBL/DBJ
A/Molecule type: mRNA
A/Residues: 1-512 <RES>
A/Cross-references: EMBL:X75533; NID:g825619; PIDN:CA54671.1; PID:g825620
C/Keywords: activin receptor II; protein kinase homology
F/485/Domain: protein kinase homology <KIN>

Query Match 53.9%; Score 34.5; DB 2; Length 512;
Best Local Similarity 53.8%; Pred. No. 1.7e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 1 DAHKEVAHR-FK 12
DB 311 EGHKPSIAHRDFK 323

RESULT 45
JQ1484
activin receptor precursor - rat
C/Species: Rattus norvegicus (Norway rat)
C/Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 23-May-1997
C/Accession: JQ1484
R/Segarini, P.; Zhou, X.; Dreesback, J.; Eberspaecher, H.; McKinney, S.; Segarini, P.; de
Biochem. Biophys. Res. Commun. 183, 672-679, 1992
A/Title: Molecular cloning and characterization of a novel rat activin receptor.
A/Reference number: JQ1484; MUID:92198455; PMID:1312838
A/Accession: JQ1484
A/Status: preliminary
A/Molecule type: mRNA
A/Residues: 1-513 <LEGS>
C/Superfamily: activin receptor II; protein kinase homology

C/Keywords: ATP; glycoprotein; receptor; transmembrane protein
F/1-18/Domain: signal sequence #status predicted <SIG>
F/19-513/Product: activin receptor #status predicted <MAT>
F/135-160/Domain: transmembrane #status predicted <TM1>
F/188-486/Domain: protein kinase homology <KIN>
F/42.65/487/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 53.9%; Score 34.5; DB 2; Length 513;
Best Local Similarity 53.8%; Pred. No. 1.7e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 1 DAHKEVAHR-FK 12
DB 312 EGHKPSIAHRDFK 324

RESULT 46
C40829
activin receptor isoform IIB3 - mouse
C/Species: Mus musculus (house mouse)
C/Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 23-May-1997
C/Accession: C40829
R/Altisano, L.; Wrana, J.L.; Chelifetz, S.; Massague, J.
Cell 68, 97-108, 1992
A/Title: Novel activin receptors: distinct genes and alternative mRNA splicing generate
A/Reference number: A40829; MUID:92119722; PMID:1310075
A/Accession: C40829
A/Status: preliminary
A/Molecule type: mRNA
A/Residues: 1-528 <ATT>
A/Experimental source: Balb/c 3T3
A/Note: sequence inconsistent with the nucleotide translation
A/Note: sequence extracted from NCBI backbone (NCBIN:88362, NCBIPI:88363)
C/Keywords: ATP; receptor
F/204-501/Domain: protein kinase homology <KIN>

Query Match 53.9%; Score 34.5; DB 2; Length 528;
Best Local Similarity 53.8%; Pred. No. 1.8e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 1 DAHKEVAHR-FK 12
DB 327 EGHKPSIAHRDFK 339

RESULT 47
A40829
activin receptor isoform IIB1 - mouse
C/Species: Mus musculus (house mouse)
C/Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 18-Jun-1999
C/Accession: A40829
R/Altisano, L.; Wrana, J.L.; Chelifetz, S.; Massague, J.
Cell 68, 97-108, 1992
A/Title: Novel activin receptors: distinct genes and alternative mRNA splicing generate
A/Reference number: A40829; MUID:92119722; PMID:1310075
A/Accession: A40829
A/Status: preliminary
A/Molecule type: mRNA
A/Residues: 1-536 <ATT>
A/Cross-references: GB:M4120; NID:g191668; PIDN:AAA37172.1; PID:g191669
A/Experimental source: Balb/c 3T3
A/Note: sequence inconsistent with the nucleotide translation
A/Note: sequence extracted from NCBI backbone (NCBIN:76259, NCBIPI:76260)
C/Superfamily: activin receptor II; protein kinase homology
C/Keywords: ATP; receptor; serine/threonine-specific protein kinase; transmembrane protei
F/212-509/Domain: protein kinase homology <KIN>

Query Match 53.9%; Score 34.5; DB 2; Length 536;
Best Local Similarity 53.8%; Pred. No. 1.8e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 1 DAHKEVAHR-FK 12

Db 335 EGHKPSIAHRDFK 347

RESULT 48

C84068

polyribonucleotide nucleotidyltransferase (general stress protein 13) BH3347 [imported]
C/Species: Bacillus halodurans

C/Date: 01-Dec-2000 #sequence_revision 01-Dec-2000 #text_change 15-Jun-2001

C/Accession: C84068

R/Takami, H.; Nakasone, K.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fujii, F.; Hira

Nucleic Acids Res. 28, 4317-4331, 2000

A/Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and

A/Reference number: A83650; MUID:20512582; PMID:11058132

A/Accession: C84068

A/Status: preliminary

A/Molecule type: DNA

A/Residues: 1-138 <STO>

A/Cross-references: GB:AP001518; GB:BA000004; NID:G10175792; PIDN:BA07066.1; GSPDB:GN00

A/Experimental source: strain C-125

A/Keywords: BH3347

C/Superfamily: polyribonucleotide nucleotidyltransferase homolog yabR

Query Match 53.1%; Score 34; DB 2; Length 138;
Best Local Similarity 77.8%; Pred. No. 54;

Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 HKSEVAHRF 11

Db 35 HISEVAHGF 43

RESULT 49

T49921

ribosomal protein-like - Arabidopsis thaliana

N/Alternate names: protein F17114.40

C/Species: Arabidopsis thaliana (mouse-ear cress)

C/Date: 02-Jun-2000 #sequence_revision 02-Jun-2000 #text_change 02-Sep-2000

C/Accession: T49921

R/Bevan, M.; Hilbert, H.; Braun, M.; Holzer, E.; Brandt, A.; Duesterhoeft, A.; Bancroft,

submitted to the Protein Sequence Database, April 2000

A/Reference number: 224490

A/Accession: T49921

A/Status: preliminary

A/Molecule type: DNA

A/Residues: 1-156 <BEV>

A/Cross-references: EMBL:ALJ53994; GSPDB:GN00063; ATSP:F17114.40

A/Experimental source: cultivar Columbia; BAC clone F17114

A/Keywords:

A/Accession: T49921

A/Status: preliminary

A/Molecule type: DNA

A/Residues: 1-156 <BEV>

A/Cross-references: EMBL:ALJ53994; GSPDB:GN00063; ATSP:F17114.40

A/Experimental source: cultivar Columbia; BAC clone F17114

A/Keywords:

A/Accession: T49921

A/Status: preliminary

A/Molecule type: DNA

A/Residues: 1-156 <BEV>

A/Cross-references: EMBL:ALJ53994; GSPDB:GN00063; ATSP:F17114.40

A/Experimental source: cultivar Columbia; BAC clone F17114

A/Keywords:

A/Accession: T49921

A/Status: preliminary

A/Molecule type: DNA

A/Residues: 1-156 <BEV>

A/Cross-references: EMBL:ALJ53994; GSPDB:GN00063; ATSP:F17114.40

A/Experimental source: cultivar Columbia; BAC clone F17114

A/Keywords:

A/Accession: T49921

A/Status: preliminary

A/Molecule type: DNA

A/Residues: 1-156 <BEV>

A/Cross-references: EMBL:ALJ53994; GSPDB:GN00063; ATSP:F17114.40

A/Experimental source: cultivar Columbia; BAC clone F17114

A/Keywords:

A/Accession: T49921

A/Status: preliminary

A/Molecule type: DNA

A/Residues: 1-156 <BEV>

A/Cross-references: EMBL:ALJ53994; GSPDB:GN00063; ATSP:F17114.40

A/Experimental source: cultivar Columbia; BAC clone F17114

RESULT 50

A56125

placental growth factor precursor - rat

C/Species: Rattus norvegicus (Norway rat)

C/Date: 19-Oct-1995 #sequence_revision 19-Oct-1995 #text_change 05-Nov-1999

C/Accession: A56125

R/DiSalvo, J.; Bayne, M.L.; Conn, G.; Kwok, P.W.; Trivedi, P.G.; Soderman, D.D.; Palisi,

J. Biol. Chem. 270, 7717-7723, 1995

A/Title: Purification and characterization of a naturally occurring vascular endothelial

A/Reference number: A56125; MUID:95221439; PMID:7706320

A/Accession: A56125

A/Status: preliminary; not compared with conceptual translation

A/Molecule type: mRNA

A/Residues: 1-158 <DIS>

A/Cross-references: GB:I40030; NID:G1263413; PIDN:AAA97426.1; PID:G1263414

C/Keywords: glycoprotein

Query Match 53.1%; Score 34; DB 2; Length 158;

Best Local Similarity 54.5%; Pred. No. 62;

Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 DAKSEVAHRF 11

Db 59 DEHPNEVSHIF 69

Search completed: April 11, 2003, 15:19:46
Job time : 18 secs

GenCore version 5.1.4 p5 4578
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OM protein - protein search, using sw model

Run on: April 11, 2003, 15:18:37 ; Search time 14 Seconds

(without alignments)
52.402 Million cell updates/sec

Title: US-09-846-347-1

Sequence: 1 DAHSEVAREFK 12

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 248812 seqs, 61136040 residues

number of hits satisfying chosen parameters: 248812

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database: Published Applications_AA.*

1: /cgn2_6/prodata/2/pubppa/US08_NEW_PUB.pep.*
2: /cgn2_6/prodata/2/pubppa/PCT_NEW_PUB.pep.*
3: /cgn2_6/prodata/2/pubppa/US06_NEW_PUB.pep.*
4: /cgn2_6/prodata/2/pubppa/US06_PUBCOMB.pep.*
5: /cgn2_6/prodata/2/pubppa/US07_NEW_PUB.pep.*
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12: /cgn2_6/prodata/2/pubppa/US10_PUBCOMB.pep.*
13: /cgn2_6/prodata/2/pubppa/US60_NEW_PUB.pep.*
14: /cgn2_6/prodata/2/pubppa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	64	100.0	12	9	US-09-846-347-1
2	64	100.0	12	9	US-10-076-071-3
3	64	100.0	12	9	US-10-076-071-6
4	64	100.0	13	9	US-09-845-764-1
5	64	100.0	17	9	US-09-845-727-1
6	64	100.0	24	9	US-09-846-328-1
7	64	100.0	26	9	US-09-846-329-1
8	64	100.0	195	9	US-10-074-956-24
9	64	100.0	241	9	US-10-074-956-27
10	64	100.0	268	9	US-10-074-956-28
11	64	100.0	585	10	US-09-929-552-2
12	64	100.0	585	12	US-10-153-064-5
13	64	100.0	609	12	US-10-153-064-7
14	64	100.0	610	9	US-10-237-708-2
15	64	100.0	610	9	US-10-237-708-2
16	64	100.0	610	9	US-10-237-866-2
17	64	100.0	610	9	US-10-237-871-2
18	64	100.0	610	10	US-09-984-186-2
19	64	100.0	651	12	US-10-153-064-133

20	64	100.0	652	12	US-10-153-064-96	Sequence 96, Appl
21	64	100.0	652	12	US-10-153-064-99	Sequence 99, Appl
22	64	100.0	652	12	US-10-153-064-105	Sequence 105, Appl
23	64	100.0	652	12	US-10-153-064-132	Sequence 132, Appl
24	64	100.0	653	12	US-10-153-064-131	Sequence 131, Appl
25	64	100.0	656	12	US-10-153-064-130	Sequence 130, Appl
26	64	100.0	660	12	US-10-153-064-93	Sequence 90, Appl
27	64	100.0	660	12	US-10-153-064-90	Sequence 93, Appl
28	64	100.0	668	12	US-10-153-064-102	Sequence 102, Appl
29	64	100.0	676	12	US-10-153-064-95	Sequence 95, Appl
30	64	100.0	676	12	US-10-153-064-98	Sequence 98, Appl
31	64	100.0	676	12	US-10-153-064-104	Sequence 104, Appl
32	64	100.0	676	12	US-10-153-064-127	Sequence 127, Appl
33	64	100.0	676	12	US-10-153-064-129	Sequence 129, Appl
34	64	100.0	677	12	US-10-153-064-125	Sequence 125, Appl
35	64	100.0	680	12	US-10-153-064-123	Sequence 123, Appl
36	64	100.0	684	12	US-10-153-064-92	Sequence 92, Appl
37	64	100.0	692	12	US-10-153-064-101	Sequence 101, Appl
38	64	100.0	787	9	US-10-237-667-16	Sequence 16, Appl
39	64	100.0	787	9	US-10-237-708-16	Sequence 16, Appl
40	64	100.0	787	9	US-10-237-866-16	Sequence 16, Appl
41	64	100.0	787	9	US-10-237-871-16	Sequence 16, Appl
42	64	100.0	787	10	US-09-984-186-16	Sequence 16, Appl
43	64	100.0	788	9	US-10-073-118-26	Sequence 26, Appl
44	64	100.0	1184	12	US-10-153-064-89	Sequence 89, Appl
45	59	92.2	604	9	US-10-045-170A-1	Sequence 1, Appl
46	59	92.2	608	9	US-10-165-603-24	Sequence 24, Appl
47	59	92.2	608	9	US-10-165-603-25	Sequence 25, Appl
48	58	90.6	11	9	US-09-845-726-1	Sequence 1, Appl
49	58	90.6	11	9	US-10-076-071-4	Sequence 4, Appl
50	54	84.4	10	9	US-10-076-071-5	Sequence 5, Appl
51	51	79.7	195	9	US-10-074-956-33	Sequence 23, Appl
52	51	79.7	241	9	US-10-074-956-29	Sequence 29, Appl
53	48	75.0	10	10	US-09-850-373-7	Sequence 7, Appl
54	43	67.2	534	10	US-09-312-762A-4	Sequence 4, Appl
55	40	62.5	1121	10	US-09-970-711-28	Sequence 28, Appl
56	37	57.8	535	10	US-09-312-762A-14	Sequence 14, Appl
57	36	56.2	8	9	US-10-073-118-41	Sequence 41, Appl
58	36	56.2	15	9	US-10-073-118-40	Sequence 40, Appl
59	36	56.2	28	9	US-10-073-118-39	Sequence 39, Appl
60	36	56.2	30	9	US-10-073-118-38	Sequence 38, Appl
61	36	56.2	145	10	US-09-923-995-2	Sequence 2, Appl
62	36	56.2	330	9	US-09-738-626-4874	Sequence 4874, Ap
63	36	56.2	330	9	US-09-746-660A-86	Sequence 86, Appl
64	36	56.2	537	9	US-10-047-542-74	Sequence 74, Appl
65	35	54.7	55	10	US-09-864-761-40232	Sequence 40232, A
66	35	54.7	140	9	US-09-791-932-93	Sequence 93, Appl
67	35	54.7	313	9	US-10-023-180-4	Sequence 4, Appl
68	35	54.7	657	10	US-09-833-745-36	Sequence 36, Appl
69	35	54.7	657	10	US-09-833-745-37	Sequence 37, Appl
70	35	54.7	1295	9	US-09-789-390-30	Sequence 30, Appl
71	35	54.7	1295	9	US-09-789-390-32	Sequence 32, Appl
72	35	54.7	1295	9	US-09-789-390-34	Sequence 34, Appl
73	35	54.7	1295	9	US-09-789-390-37	Sequence 37, Appl
74	35	54.7	1295	9	US-09-789-390-39	Sequence 39, Appl
75	35	54.7	1303	9	US-09-789-390-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1
US-09-846-347-1
; Sequence 1, Application US/09846347
; Publication No. US20030040602A1
; GENERAL INFORMATION:
; APPLICANT: Jackowski, George
; TITLE OF INVENTION: BIOPOLYMER MARKER INDICATIVE OF DISEASE STATE HAVING A MOLECULAR V
; FILE REFERENCE: 2132.032
; CURRENT APPLICATION NUMBER: US/09/846,347
; CURRENT FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 1

SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-846-347-1

Query Match 100.0%; Score 64; DB 9; Length 12;
Best Local Similarity 100.0%; Pred. No. 6,8e-06;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHRFX 12
Db 1 DAKSEVAHRFX 12

RESULT 2
US-10-076-071-3
; Sequence 3, Application US/10094671
; Publication No. US20030060408A1
; GENERAL INFORMATION:
; APPLICANT: Bar-Of, David
; APPLICANT: Curtis, C. Gerald
; APPLICANT: Rao, Nagaraja K.R.
; APPLICANT: Winkler, James V.
; APPLICANT: Crook, Wanneil M.
; TITLE OF INVENTION: Metal-Binding Compounds and Uses Therefor
; FILE REFERENCE: 4172-3-2
; CURRENT APPLICATION NUMBER: US/10/076,071
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/678,202
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/283,507
; PRIOR FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/816,679
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 60/157,404
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,404
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/211,078
; PRIOR FILING DATE: 2000-06-13
; PRIOR APPLICATION NUMBER: 60/268,558
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-076-071-3

(102(9))

Query Match 100.0%; Score 64; DB 9; Length 12;
Best Local Similarity 100.0%; Pred. No. 6,8e-06;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHRFX 12
Db 1 DAKSEVAHRFX 12

RESULT 3
US-10-076-071-6
; Sequence 6, Application US/10076071
; Publication No. US20030060408A1
; GENERAL INFORMATION:
; APPLICANT: Bar-Of, David
; APPLICANT: Curtis, C. Gerald
; APPLICANT: Rao, Nagaraja K.R.
; APPLICANT: Winkler, James V.
; APPLICANT: Crook, Wanneil M.

US-10-076-071-6

FILE REFERENCE: 4172-3-2

CURRENT APPLICATION NUMBER: US/10/076,071

CURRENT FILING DATE: 2002-02-13

PRIOR APPLICATION NUMBER: 09/678,202

PRIOR FILING DATE: 2000-09-29

PRIOR APPLICATION NUMBER: 60/283,507

PRIOR FILING DATE: 2001-04-11

PRIOR APPLICATION NUMBER: 09/816,679

PRIOR FILING DATE: 2001-03-22

PRIOR APPLICATION NUMBER: 60/157,404

PRIOR FILING DATE: 1999-10-01

PRIOR APPLICATION NUMBER: 60/157,404

PRIOR FILING DATE: 1999-10-01

PRIOR APPLICATION NUMBER: 60/211,078

PRIOR FILING DATE: 2000-06-13

PRIOR APPLICATION NUMBER: 60/268,558

PRIOR FILING DATE: 2001-02-13

NUMBER OF SEQ ID NOS: 9

SOFTWARE: PatentIn version 3.0

SEQ ID NO 6

LENGTH: 12

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: MOD RES

LOCATION: (1)-(1)

OTHER INFORMATION: ACETYLATION

US-10-076-071-6

Query Match 100.0%; Score 64; DB 9; Length 12;
Best Local Similarity 100.0%; Pred. No. 6,8e-06;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHRFX 12
Db 1 DAKSEVAHRFX 12

RESULT 4
US-09-845-764-1
; Sequence 1, Application US/09845764
; Patent No. US20020160958A1
; GENERAL INFORMATION:
; APPLICANT: Jackowski, George
; TITLE OF INVENTION: BIOPHYMER MARKER INDICATIVE OF DISEASE STATE HAVING A MOLECULAR
; FILE REFERENCE: 2132.037
; CURRENT APPLICATION NUMBER: US/09/845,764
; CURRENT FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-845-764-1

Query Match 100.0%; Score 64; DB 9; Length 13;
Best Local Similarity 100.0%; Pred. No. 7,4e-06;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHRFX 12
Db 1 DAKSEVAHRFX 12

RESULT 5
US-09-845-727-1
; Sequence 1, Application US/09845727
; Patent No. US20020160418A1
; GENERAL INFORMATION:
; APPLICANT: Jackowski, George

;; TITLE OF INVENTION: BIOPOLYMER MARKER INDICATIVE OF DISEASE STATE HAVING A MOLECULAR
;; FILE REFERENCE: 2132.047
;; CURRENT APPLICATION NUMBER: US/09/845,727
;; CURRENT FILING DATE: 2001-04-30
;; NUMBER OF SEQ ID NOS: 1
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 1
;; LENGTH: 17
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-845-727-1

Query Match 100.0%; Score 64; DB 9; Length 17;
Best Local Similarity 100.0%; Pred. No. 1e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREFK 12
|||||
1 DAKSEVAHREFK 12

RESULT 6
US-09-846-328-1
;; Sequence 1, Application US/09846328
;; Patent No. US20020160531A1
;; GENERAL INFORMATION:
;; APPLICANT: Jackowski, George
;; TITLE OF INVENTION: BIOPOLYMER MARKER INDICATIVE OF DISEASE STATE HAVING A MOLECULAR
;; FILE REFERENCE: 2132.051
;; CURRENT APPLICATION NUMBER: US/09/846,328
;; CURRENT FILING DATE: 2001-04-30
;; NUMBER OF SEQ ID NOS: 1
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 1
;; LENGTH: 24
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-846-328-1

Query Match 100.0%; Score 64; DB 9; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.5e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREFK 12
|||||
1 DAKSEVAHREFK 12

RESULT 7
US-09-846-329-1
;; Sequence 1, Application US/09846329
;; Patent No. US2002016117A1
;; GENERAL INFORMATION:
;; APPLICANT: Jackowski, George
;; TITLE OF INVENTION: Biopolymer Marker Indicative of Disease State Having A Molecular
;; FILE REFERENCE: 2132.052
;; CURRENT APPLICATION NUMBER: US/09/846,329
;; CURRENT FILING DATE: 2001-04-30
;; NUMBER OF SEQ ID NOS: 1
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 1
;; LENGTH: 26
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-846-329-1

Query Match 100.0%; Score 64; DB 9; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.6e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREFK 12
|||||
1 DAKSEVAHREFK 12

RESULT 8
US-10-074-956-24
;; Sequence 24, Application US/10074956
;; Publication No. US20020193332A1
;; GENERAL INFORMATION:
;; APPLICANT: Hedley, Mary Lynne
;; TITLE OF INVENTION: METHODS OF TREATING BLADDER DISORDERS
;; FILE REFERENCE: 08191-022001
;; CURRENT APPLICATION NUMBER: US/10/074,956
;; CURRENT FILING DATE: 2002-06-10
;; PRIOR APPLICATION NUMBER: 60/268,175
;; PRIOR FILING DATE: 2001-02-12
;; NUMBER OF SEQ ID NOS: 29
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 24
;; LENGTH: 195
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-074-956-24

Query Match 100.0%; Score 64; DB 9; Length 195;
Best Local Similarity 100.0%; Pred. No. 0.00015;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREFK 12
|||||
1 DAKSEVAHREFK 12

RESULT 9
US-10-074-956-27
;; Sequence 27, Application US/10074956
;; Publication No. US20020193332A1
;; GENERAL INFORMATION:
;; APPLICANT: Hedley, Mary Lynne
;; TITLE OF INVENTION: METHODS OF TREATING BLADDER DISORDERS
;; FILE REFERENCE: 08191-022001
;; CURRENT APPLICATION NUMBER: US/10/074,956
;; CURRENT FILING DATE: 2002-06-10
;; PRIOR APPLICATION NUMBER: 60/268,175
;; PRIOR FILING DATE: 2001-02-12
;; NUMBER OF SEQ ID NOS: 29
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 27
;; LENGTH: 241
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-074-956-27

Query Match 100.0%; Score 64; DB 9; Length 241;
Best Local Similarity 100.0%; Pred. No. 0.0002;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREFK 12
|||||
1 DAKSEVAHREFK 12

RESULT 10
US-10-074-956-28
;; Sequence 28, Application US/10074956
;; Publication No. US20020193332A1
;; GENERAL INFORMATION:
;; APPLICANT: Hedley, Mary Lynne
;; TITLE OF INVENTION: METHODS OF TREATING BLADDER DISORDERS
;; FILE REFERENCE: 08191-022001
;; CURRENT APPLICATION NUMBER: US/10/074,956
;; CURRENT FILING DATE: 2002-06-10

PRIOR APPLICATION NUMBER: 60/268,175
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 29
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 28
LENGTH: 268
TYPE: PRT
ORGANISM: Homo sapiens
US-10-074-956-28

Query Match 100.0%; Score 64; DB 9; Length 268;
Best Local Similarity 100.0%; Pred. No. 0.00022;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREF 12
Db 25 DAKSEVAHREF 36

RESULT 11
US-09-929-552-2
Sequence 2, Application US/09929552
Patent No. US20020123080A1

GENERAL INFORMATION:
APPLICANT: Sonnenschein, Carlos
Soto, Ana M.
TITLE OF INVENTION: Inhibiting Proliferation of Cancer Cells
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Medlen & Carroll, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/929,552
FILING DATE: 14-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/769,746
FILING DATE: 19-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Carroll, Peter G.
REGISTRATION NUMBER: 32,837
REFERENCE/DOCKET NUMBER: MBRI-02564
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 585 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-929-552-2

Query Match 100.0%; Score 64; DB 10; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.00053;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREF 12
Db 1 DAKSEVAHREF 12

RESULT 12

US-10-153-064-5
Sequence 5, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556
CURRENT APPLICATION NUMBER: US/10/153,064
PRIOR FILING DATE: 2002-05-24
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 585
TYPE: PRT
ORGANISM: Homo Sapiens
US-10-153-064-5

Query Match 100.0%; Score 64; DB 12; Length 585;
Best Local Similarity 100.0%; Pred. No. 0.00053;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREF 12
Db 1 DAKSEVAHREF 12

RESULT 13
US-10-153-064-7
Sequence 7, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556
CURRENT APPLICATION NUMBER: US/10/153,064
PRIOR FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7
LENGTH: 609
TYPE: PRT
ORGANISM: Homo Sapiens
US-10-153-064-7

Query Match 100.0%; Score 64; DB 12; Length 609;
Best Local Similarity 100.0%; Pred. No. 0.00053;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREF 12
Db 25 DAKSEVAHREF 36

RESULT 14
US-10-237-667-2
Sequence 2, Application US/10237667
Publication No. US20030022308A1
GENERAL INFORMATION:
APPLICANT: Fleier, Reinhard
Fournier, Alain
Guitton, Jean-Dominique
Jung, Gerard
Yeh, Patrice

TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
CONTAINING SAID POLYPEPTIDES
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.

STREET: 500 Arcola Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.1 (patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/237,667
FILING DATE: 10-Sep-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/797,689
FILING DATE: 31-JAN-1997
APPLICATION NUMBER: US 08/256,927
FILING DATE: 28-JUL-1994
APPLICATION NUMBER: FR 92/01064
FILING DATE: 31-JAN-1992
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 610 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-237-667-2
Query Match 100.0%; Score 64; DB 9; Length 610;
Best Local Similarity 100.0%; Pred. No. 0.00055;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 DAKSEVAHREF 12
DB 25 DAKSEVAHREF 36
RESULT 15
US-10-237-708-2
Sequence 2, Application US/10237708
Publication No. US20030036170A1
GENERAL INFORMATION:
APPLICANT: Fleer, Reinhard
Fournier, Alain
Guitton, Jean-Dominique
Jung, Gerard
Yeh, Patrice
TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
CONTAINING SAID POLYPEPTIDES
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.1 (patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/797,689
FILING DATE: 31-JAN-1997
APPLICATION NUMBER: US 08/256,927
FILING DATE: 28-JUL-1994
APPLICATION NUMBER: FR 92/01064
FILING DATE: 31-JAN-1992
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 610 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-237-708-2

SOFTWARE: Word 5.1 (patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/237,708
FILING DATE: 10-Sep-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/797,689
FILING DATE: 31-JAN-1997
APPLICATION NUMBER: US 08/256,927
FILING DATE: 28-JUL-1994
APPLICATION NUMBER: FR 92/01064
FILING DATE: 31-JAN-1992
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 610 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-237-708-2
Query Match 100.0%; Score 64; DB 9; Length 610;
Best Local Similarity 100.0%; Pred. No. 0.00055;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 DAKSEVAHREF 12
DB 25 DAKSEVAHREF 36
RESULT 16
US-10-237-866-2
Sequence 2, Application US/10237866
Publication No. US20030036171A1
GENERAL INFORMATION:
APPLICANT: Fleer, Reinhard
Fournier, Alain
Guitton, Jean-Dominique
Jung, Gerard
Yeh, Patrice
TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
CONTAINING SAID POLYPEPTIDES
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.1 (patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/237,866
FILING DATE: 10-Sep-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/797,689
FILING DATE: 31-JAN-1997
APPLICATION NUMBER: US 08/256,927
FILING DATE: 28-JUL-1994
APPLICATION NUMBER: FR 92/01064
FILING DATE: 31-JAN-1992
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 610 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-237-708-2

FILED DATE: 28-JUL-1994
APPLICATION NUMBER: FR 92/01064
FILING DATE: 31-JAN-1992
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 610 amino acids
TYPE: amino acid
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-237-866-2

Query Match 100.0%; Score 64; DB 9; Length 610;
Best Local Similarity 100.0%; Pred. No. 0.00055;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHRRK 12
DB 25 DAKSEVAHRRK 36

RESULT 17

US-10-237-871-2
Sequence 2, Application US/10237871
Publication No. US2003036172A1

GENERAL INFORMATION:

APPLICANT: Fleer, Reinhard

Fournier, Alain

Guitton, Jean-Dominique

Jung, Gerard

Yeh, Patrice

TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,

PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION

CONTAINING SAID POLYPEPTIDES

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Rhone-Poulenc Rorer Inc.

STREET: 500 Arcoia Road, 3043

CITY: Collegeville

STATE: PA

COUNTRY: USA

ZIP: 19426

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: Macintosh

OPERATING SYSTEM: System 7.1

SOFTWARE: Word 5.1 (Patentln)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/237,871

FILING DATE: 10-Sep-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/797,689

FILING DATE: 31-JAN-1997

APPLICATION NUMBER: US 08/256,927

FILING DATE: 28-JUL-1994

APPLICATION NUMBER: FR 92/01064

FILING DATE: 31-JAN-1992

APPLICATION NUMBER: PCT/FR93/00085

FILING DATE: 28-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: Smith Ph.D., Julie K.

REGISTRATION NUMBER: P-38,619

REFERENCE/DOCKET NUMBER: ST92006-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (610) 454-3839

TELEFAX: (610) 454-3808

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 610 amino acids

TYPE: amino acid

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-10-237-871-2

Query Match 100.0%; Score 64; DB 9; Length 610;
Best Local Similarity 100.0%; Pred. No. 0.00055;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHRRK 12
DB 25 DAKSEVAHRRK 36

RESULT 18

US-09-984-186-2
Sequence 2, Application US/09984186
Patent No. US2002015101A1

GENERAL INFORMATION:

APPLICANT: Fleer, Reinhard

Fournier, Alain

Guitton, Jean-Dominique

Jung, Gerard

Yeh, Patrice

TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,

PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION

CONTAINING SAID POLYPEPTIDES

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Rhone-Poulenc Rorer Inc.

STREET: 500 Arcoia Road, 3043

CITY: Collegeville

STATE: PA

COUNTRY: USA

ZIP: 19426

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: Macintosh

OPERATING SYSTEM: System 7.1

SOFTWARE: Word 5.1 (Patentln)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/984,186

FILING DATE: 29-Oct-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/797,689

FILING DATE: 31-JAN-1997

APPLICATION NUMBER: US 08/256,927

FILING DATE: 28-JUL-1994

APPLICATION NUMBER: FR 92/01064

FILING DATE: 31-JAN-1992

APPLICATION NUMBER: PCT/FR93/00085

FILING DATE: 28-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: Smith Ph.D., Julie K.

REGISTRATION NUMBER: P-38,619

REFERENCE/DOCKET NUMBER: ST92006-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (610) 454-3839

TELEFAX: (610) 454-3808

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 610 amino acids

TYPE: amino acid

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-984-186-2

Query Match 100.0%; Score 64; DB 10; Length 610;
Best Local Similarity 100.0%; Pred. No. 0.00055;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHRFK 12
Db 25 DAKSEVAHRFK 36

RESULT 19
US-10-153-064-133

; Sequence 133, Application US/10153064
; Patent No. US20020142814A1
; GENERAL INFORMATION:
; APPLICANT: Bell et al.
; TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
; FILE REFERENCE: PF556
; CURRENT APPLICATION NUMBER: US/10/153,064
; PRIOR FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,212
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 133
; LENGTH: 651
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-064-133

Query Match 100.0%; Score 64; DB 12; Length 651;
Best Local Similarity 100.0%; Pred. No. 0.00059;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHRFK 12
Db 67 DAKSEVAHRFK 78

RESULT 20
US-10-153-064-96
; Sequence 96, Application US/10153064
; Patent No. US20020142814A1
; GENERAL INFORMATION:
; APPLICANT: Bell et al.
; TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
; FILE REFERENCE: PF556
; CURRENT APPLICATION NUMBER: US/10/153,064
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,212
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 96
; LENGTH: 652
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-064-96

Query Match 100.0%; Score 64; DB 12; Length 652;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHRFK 12
Db 67 DAKSEVAHRFK 78

RESULT 21
US-10-153-064-99
; Sequence 99, Application US/10153064

; Patent No. US20020142814A1

; GENERAL INFORMATION:
; APPLICANT: Bell et al.
; TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
; FILE REFERENCE: PF556
; CURRENT APPLICATION NUMBER: US/10/153,064
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,212
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 99
; LENGTH: 652
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-064-99

Query Match 100.0%; Score 64; DB 12; Length 652;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHRFK 12
Db 67 DAKSEVAHRFK 78

RESULT 22
US-10-153-064-105
; Sequence 105, Application US/10153064
; Patent No. US20020142814A1
; GENERAL INFORMATION:
; APPLICANT: Bell et al.
; TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
; FILE REFERENCE: PF556
; CURRENT APPLICATION NUMBER: US/10/153,064
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,212
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 105
; LENGTH: 652
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-064-105

Query Match 100.0%; Score 64; DB 12; Length 652;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHRFK 12
Db 67 DAKSEVAHRFK 78

RESULT 23
US-10-153-064-132
; Sequence 132, Application US/10153064
; Patent No. US20020142814A1
; GENERAL INFORMATION:
; APPLICANT: Bell et al.
; TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
; FILE REFERENCE: PF556
; CURRENT APPLICATION NUMBER: US/10/153,064
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,212
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 132
; LENGTH: 652
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-153-064-132

Query Match 100.0%; Score 64; DB 12; Length 652;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVAHREF 12
|||||
DB 68 DAHKEVAHREF 79

RESULT 24

US-10-153-064-131
; Sequence 131, Application US/10153064
; Patent No. US20020142814A1
; GENERAL INFORMATION:
; APPLICANT: Bell et al.
; TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
; FILE REFERENCE: PF556
; CURRENT APPLICATION NUMBER: US/10/153,064
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,212
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 131
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-064-131

Query Match 100.0%; Score 64; DB 12; Length 653;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVAHREF 12
|||||
DB 69 DAHKEVAHREF 80

RESULT 25
US-10-153-064-130
; Sequence 130, Application US/10153064
; Patent No. US20020142814A1
; GENERAL INFORMATION:
; APPLICANT: Bell et al.
; TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
; FILE REFERENCE: PF556
; CURRENT APPLICATION NUMBER: US/10/153,064
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,212
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 130
; LENGTH: 656
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-064-130

Query Match 100.0%; Score 64; DB 12; Length 656;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVAHREF 12
|||||
DB 72 DAHKEVAHREF 83

RESULT 26
US-10-153-064-90
; Sequence 90, Application US/10153064
; Patent No. US20020142814A1

; GENERAL INFORMATION:
; APPLICANT: Bell et al.
; TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
; FILE REFERENCE: PF556
; CURRENT APPLICATION NUMBER: US/10/153,064
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,212
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 90
; LENGTH: 660
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-064-90

Query Match 100.0%; Score 64; DB 12; Length 660;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVAHREF 12
|||||
DB 75 DAHKEVAHREF 86

RESULT 27
US-10-153-064-93
; Sequence 93, Application US/10153064
; Patent No. US20020142814A1
; GENERAL INFORMATION:
; APPLICANT: Bell et al.
; TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
; FILE REFERENCE: PF556
; CURRENT APPLICATION NUMBER: US/10/153,064
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,212
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 93
; LENGTH: 660
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-153-064-93

Query Match 100.0%; Score 64; DB 12; Length 660;
Best Local Similarity 100.0%; Pred. No. 0.0006;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVAHREF 12
|||||
DB 75 DAHKEVAHREF 86

RESULT 28
US-10-153-064-102
; Sequence 102, Application US/10153064
; Patent No. US20020142814A1
; GENERAL INFORMATION:
; APPLICANT: Bell et al.
; TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
; FILE REFERENCE: PF556
; CURRENT APPLICATION NUMBER: US/10/153,064
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: 60/293,212
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 102
; LENGTH: 668
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:

NAME/KEY: SITE
LOCATION: (561)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-153-064-102

Query Match 100.0%; Score 64; DB 12; Length 668;
Best Local Similarity 100.0%; Pred. No. 0.00061;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREFK 12
Db 83 DAKSEVAHREFK 94

RESULT 29
US-10-153-064-95
Sequence 95, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556
CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 95
LENGTH: 676
TYPE: PRT
ORGANISM: Homo sapiens
US-10-153-064-95

Query Match 100.0%; Score 64; DB 12; Length 676;
Best Local Similarity 100.0%; Pred. No. 0.00062;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREFK 12
Db 91 DAKSEVAHREFK 102

RESULT 30
US-10-153-064-98
Sequence 98, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556
CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 98
LENGTH: 676
TYPE: PRT
ORGANISM: Homo sapiens
US-10-153-064-98

Query Match 100.0%; Score 64; DB 12; Length 676;
Best Local Similarity 100.0%; Pred. No. 0.00062;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREFK 12
Db 91 DAKSEVAHREFK 102

RESULT 31

US-10-153-064-104
Sequence 104, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556
CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 104
LENGTH: 676
TYPE: PRT
ORGANISM: Homo sapiens
US-10-153-064-104

Query Match 100.0%; Score 64; DB 12; Length 676;
Best Local Similarity 100.0%; Pred. No. 0.00062;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREFK 12
Db 91 DAKSEVAHREFK 102

RESULT 32
US-10-153-064-127
Sequence 127, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556
CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 127
LENGTH: 676
TYPE: PRT
ORGANISM: Homo sapiens
US-10-153-064-127

Query Match 100.0%; Score 64; DB 12; Length 676;
Best Local Similarity 100.0%; Pred. No. 0.00062;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHREFK 12
Db 92 DAKSEVAHREFK 103

RESULT 33
US-10-153-064-129
Sequence 129, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556
CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 129
LENGTH: 676

TYPE: PRT
ORGANISM: Homo sapiens
US-10-153-064-129

Query Match
Best Local Similarity 100.0%; Score 64; DB 12; Length 676;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVAHREF 12
DB 92 DAHKEVAHREF 103

RESULT 34
US-10-153-064-125
Sequence 125, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556

CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 125
LENGTH: 677
TYPE: PRT
ORGANISM: Homo sapiens
US-10-153-064-125

Query Match
Best Local Similarity 100.0%; Score 64; DB 12; Length 677;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVAHREF 12
DB 93 DAHKEVAHREF 104

RESULT 35
US-10-153-064-123
Sequence 123, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556

CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 123
LENGTH: 680
TYPE: PRT
ORGANISM: Homo sapiens
US-10-153-064-123

Query Match
Best Local Similarity 100.0%; Score 64; DB 12; Length 680;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVAHREF 12
DB 96 DAHKEVAHREF 107

RESULT 36
US-10-153-064-92

Sequence 92, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556

CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 92
LENGTH: 684
TYPE: PRT
ORGANISM: Homo sapiens
US-10-153-064-92

Query Match
Best Local Similarity 100.0%; Score 64; DB 12; Length 684;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVAHREF 12
DB 99 DAHKEVAHREF 110

RESULT 37
US-10-153-064-101
Sequence 101, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556

CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 101
LENGTH: 692
TYPE: PRT
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: SITE
LOCATION: (585)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-153-064-101

Query Match
Best Local Similarity 100.0%; Score 64; DB 12; Length 692;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHKEVAHREF 12
DB 107 DAHKEVAHREF 118

RESULT 38
US-10-237-667-16
Sequence 16, Application US/10237667
Publication No. US20030022308A1
GENERAL INFORMATION:
APPLICANT: Fleier, Reinhard
Fournier, Alain
Guitton, Jean-Dominique
Jung, Gerard
Yeh, Patrice

TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
CONTAINING SAID POLYPEPTIDES

NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.1 (Patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/237,667
FILING DATE: 10-Sep-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/797,689
FILING DATE: 31-JAN-1997
APPLICATION NUMBER: US 08/256,927
FILING DATE: 28-JUL-1994
APPLICATION NUMBER: FR 92/01064
FILING DATE: 31-JAN-1992
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 787 amino acids
TYPE: amino acid
MOLECULE TYPE: protein
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-237-667-16

Query Match 100.0%; Score 64; DB 9; Length 787;
Best Local Similarity 100.0%; Pred. No. 0.00074;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHRFX 12
203 DAKSEVAHRFX 214

RESULT 39
US-10-237-708-16
Sequence 16, Application US/10237708
Publication No. US20030036170A1
GENERAL INFORMATION:
APPLICANT: Fleer, Reinhard
Fournier, Alain
Guitton, Jean-Dominique
Jung, Gerard
Yeh, Patrice
TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
CONTAINING SAID POLYPEPTIDES
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.1 (Patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/237,866
FILING DATE: 10-Sep-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.1 (Patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/237,708
FILING DATE: 10-Sep-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/797,689
FILING DATE: 31-JAN-1997
APPLICATION NUMBER: US 08/256,927
FILING DATE: 28-JUL-1994
APPLICATION NUMBER: FR 92/01064
FILING DATE: 31-JAN-1992
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 787 amino acids
TYPE: amino acid
MOLECULE TYPE: protein
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-237-708-16

Query Match 100.0%; Score 64; DB 9; Length 787;
Best Local Similarity 100.0%; Pred. No. 0.00074;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DAKSEVAHRFX 12
203 DAKSEVAHRFX 214

RESULT 40
US-10-237-666-16
Sequence 16, Application US/10237866
Publication No. US20030036171A1
GENERAL INFORMATION:
APPLICANT: Fleer, Reinhard
Fournier, Alain
Guitton, Jean-Dominique
Jung, Gerard
Yeh, Patrice
TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
CONTAINING SAID POLYPEPTIDES
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.1 (Patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/237,866
FILING DATE: 10-Sep-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/797,689
FILING DATE: 31-JAN-1997
APPLICATION NUMBER: US 08/256,927
FILING DATE: 28-JUL-1994
APPLICATION NUMBER: FR 92/01064
FILING DATE: 31-JAN-1992
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 787 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-237-866-16

Query Match 100.0%; Score 64; DB 9; Length 787;
Best Local Similarity 100.0%; Pred. No. 0.00074;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 DAKSEVAHRFX 12
|||||
Db 203 DAKSEVAHRFX 214

RESULT 41
US-10-237-871-16
Sequence 16, Application US/10237871
Publication No. US20030036172A1
GENERAL INFORMATION:
APPLICANT: Fleer, Reinhard
Fournier, Alain
Guitton, Jean-Dominique
Jung, Gerard
Yeh, Patrice
TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
CONTAINING SAID POLYPEPTIDES
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcoia Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.1 (Patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/237,871
FILING DATE: 10-Sep-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/797,689
FILING DATE: 31-JAN-1997
APPLICATION NUMBER: US 08/256,927
FILING DATE: 28-JUL-1994
APPLICATION NUMBER: FR 92/01064
FILING DATE: 31-JAN-1992
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:

NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 787 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-237-871-16

Query Match 100.0%; Score 64; DB 9; Length 787;
Best Local Similarity 100.0%; Pred. No. 0.00074;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 DAKSEVAHRFX 12
|||||
Db 203 DAKSEVAHRFX 214

RESULT 42
US-09-984-186-16
Sequence 16, Application US/09984186
Patent No. US2002015101A1
GENERAL INFORMATION:
APPLICANT: Fleer, Reinhard
Fournier, Alain
Guitton, Jean-Dominique
Jung, Gerard
Yeh, Patrice
TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
CONTAINING SAID POLYPEPTIDES
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcoia Road, 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.1
SOFTWARE: Word 5.1 (Patentin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/984,186
FILING DATE: 29-Oct-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/797,689
FILING DATE: 31-JAN-1997
APPLICATION NUMBER: US 08/256,927
FILING DATE: 28-JUL-1994
APPLICATION NUMBER: FR 92/01064
FILING DATE: 31-JAN-1992
APPLICATION NUMBER: PCT/FR93/00085
FILING DATE: 28-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: P-38,619
REFERENCE/DOCKET NUMBER: ST92006-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 787 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-09-984-186-16

Query Match 100.0%; Score 64; DB 10; Length 787;
Best Local Similarity 100.0%; Pred. No. 0.00074;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREFK 12
DB 203 DAKSEVAHREFK 214

RESULT 43
US-10-073-118-26
Sequence 26, Application US/10073118
Publication No. US20030054554A1

GENERAL INFORMATION:
APPLICANT: BECQUART, JEROME
TITLE OF INVENTION: ALBUMIN DERIVATIVES WITH THERAPEUTIC FUNCTIONS
FILE REFERENCE: 06832.1429-03
CURRENT APPLICATION NUMBER: US/10/073,118
CURRENT FILING DATE: 2002-07-12
PRIOR APPLICATION NUMBER: 09/551,635
PRIOR FILING DATE: 2000-04-18
PRIOR APPLICATION NUMBER: 09/004,319
PRIOR FILING DATE: 1998-01-08
PRIOR APPLICATION NUMBER: 08/479,146
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/295,078
PRIOR FILING DATE: 1994-08-26
PRIOR APPLICATION NUMBER: 08/121,236
PRIOR FILING DATE: 1993-09-13
PRIOR APPLICATION NUMBER: 07/955,243
PRIOR FILING DATE: 1992-10-01
PRIOR APPLICATION NUMBER: 07/561,879
PRIOR FILING DATE: 1990-08-02
PRIOR APPLICATION NUMBER: FR 89 10480
PRIOR FILING DATE: 1989-08-03
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 26
LENGTH: 788
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Protein fusion
OTHER INFORMATION: prepro-HSA-V1V2
US-10-073-118-26

Query Match 100.0%; Score 64; DB 9; Length 788;
Best Local Similarity 100.0%; Pred. No. 0.00074;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREFK 12
DB 25 DAKSEVAHREFK 36

RESULT 44
US-10-153-064-89
Sequence 89, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: P556
CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR FILING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 89
LENGTH: 1184
TYPE: PRT
ORGANISM: Homo sapiens
US-10-153-064-89

Query Match 100.0%; Score 64; DB 12; Length 1184;
Best Local Similarity 100.0%; Pred. No. 0.0012;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAKSEVAHREFK 12
DB 599 DAKSEVAHREFK 610

RESULT 45
US-10-045-170A-1
Sequence 1, Application US/10045170A
Patent No. US20020164809A1
GENERAL INFORMATION:
APPLICANT: Qiu, Yongchang
APPLICANT: Wang, Jack
TITLE OF INVENTION: ACID-LABILE ISOTOPE-CODED EXTRACTANT (ALICE) AND ITS USE IN QUANT
FILE REFERENCE: G15412AUSA
CURRENT APPLICATION NUMBER: US/10/045,170A
CURRENT FILING DATE: 2001-10-22
PRIOR APPLICATION NUMBER: 60/242643
PRIOR FILING DATE: 2000-10-23
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 604
TYPE: PRT
ORGANISM: Bovine Serum Albumin
US-10-045-170A-1

Query Match 92.2%; Score 59; DB 9; Length 604;
Best Local Similarity 83.3%; Pred. No. 0.0046;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DAKSEVAHREFK 12
DB 26 DTHKSEHAREFK 37

RESULT 46
US-10-165-603-24
Sequence 24, Application US/10165603
Publication No. US20030021792A1
GENERAL INFORMATION:
APPLICANT: Roben, Paul W.
APPLICANT: Stevens, Anthony C.
TITLE OF INVENTION: TISSUE-SPECIFIC ENDOTHELIAL MEMBRANE
FILE REFERENCE: TPTECH.001A
CURRENT APPLICATION NUMBER: US/10/165,603
CURRENT FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: 60/297,021
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: 60/305,117
PRIOR FILING DATE: 2001-07-12
NUMBER OF SEQ ID NOS: 33
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 24
LENGTH: 608
TYPE: PRT
ORGANISM: Rattus norvegicus
US-10-165-603-24

Query Match 92.2%; Score 59; DB 9; Length 608;
Best Local Similarity 83.3%; Pred. No. 0.0046;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 AHKSEVAHREFK 12
:|||||:
DB 25 EAHKSEIAHREFK 36

RESULT 47
US-10-165-603-25
; Sequence 25, Application US/10165603
; Publication No. US20030021792A1
; GENERAL INFORMATION:
; APPLICANT: Roben, Paul W.
; APPLICANT: Stevens, Anthony C.
; TITLE OF INVENTION: TISSUE-SPECIFIC ENDOTHELIAL MEMBRANE
; FILE REFERENCE: TPTECH 001A
; CURRENT APPLICATION NUMBER: US/10/165,603
; CURRENT FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: 60/297,021
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: 60/305,117
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 608
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-165-603-25

Query Match 92.2%; Score 59; DB 9; Length 608;
Best Local Similarity 83.3%; Pred. No. 0.0046;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 DAHSEVAHREFK 12
:|||||:
DB 25 EAHKSEIAHREFK 36

RESULT 48
US-09-845-726-1
; Sequence 1, Application US/09845726
; Patent No. US20020160417A1
; GENERAL INFORMATION:
; APPLICANT: Jackowski, George
; TITLE OF INVENTION: BIOPOLYMER MARKER INDICATIVE OF DISEASE STATE HAVING A MOLECULAR
; TITLE OF INVENTION: OF 1424 DALTONS
; FILE REFERENCE: 2132.033
; CURRENT APPLICATION NUMBER: US/09/845,726
; CURRENT FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-845-726-1

Query Match 90.6%; Score 58; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 AHKSEVAHREFK 12
:|||||:
DB 1 AHKSEVAHREFK 11

RESULT 49
US-10-076-071-4
; Sequence 4, Application US/10076071

Publication No. US20030060408A1
; GENERAL INFORMATION:
; APPLICANT: Bar-Or, David
; APPLICANT: Curtis, C. Gerald
; APPLICANT: Lau, Edward
; APPLICANT: Rao, Nagaraja K.R.
; APPLICANT: Winkler, James V.
; APPLICANT: Crook, Wanneil M.
; TITLE OF INVENTION: Metal-Binding Compounds and Uses Therefor
; FILE REFERENCE: 4172-3-2
; CURRENT APPLICATION NUMBER: US/10/076,071
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/678,202
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/283,507
; PRIOR FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/816,679
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 60/157,404
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,404
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/211,078
; PRIOR FILING DATE: 2000-06-13
; PRIOR APPLICATION NUMBER: 60/268,558
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-076-071-4

Query Match 90.6%; Score 58; DB 9; Length 11;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 AHKSEVAHREFK 12
:|||||:
DB 1 AHKSEVAHREFK 11

RESULT 50
US-10-076-071-5
; Sequence 5, Application US/10076071
; Publication No. US20030060408A1
; GENERAL INFORMATION:
; APPLICANT: Bar-Or, David
; APPLICANT: Curtis, C. Gerald
; APPLICANT: Lau, Edward
; APPLICANT: Rao, Nagaraja K.R.
; APPLICANT: Winkler, James V.
; APPLICANT: Crook, Wanneil M.
; TITLE OF INVENTION: Metal-Binding Compounds and Uses Therefor
; FILE REFERENCE: 4172-3-2
; CURRENT APPLICATION NUMBER: US/10/076,071
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/678,202
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/283,507
; PRIOR FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/816,679
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 60/157,404
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,404
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/211,078
; PRIOR FILING DATE: 2000-06-13
; PRIOR APPLICATION NUMBER: 60/268,558
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 9


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; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-076-071-5
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Query Match      84.4%; Score 54; DB 9; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.00039;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      3 HKSEVYHRRK 12
Db      1 HKSEVYHRRK 10
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Search completed: April 11, 2003, 15:20:27
 Job time : 16 secs

